1703.

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11

Apollo Anglicanus,
THE
ENGLISH APOLLO,

Aſſiſting
All Perſons in the Right Underſtanding of this Years Revolutions, as alſo of things paſt, preſent, and to come.

With neceſſary Tables, plain and uſeful.
A twofold Kalendar, *viz.* *Julian* or *Engliſh*, nd *Gregorian* or *Foreign* Computations, more plain and full than any other, with the Riſing and Setting of the Sun, the nightly Riſing and Setting of the Moon, and alſo her Southing, Exactly calculated for every day. Of general uſe for moſt men.

eing the third after *Biſſextile* or *Leap-Year*.

o which is added the Moons application to the ixed Stars: With the Calculation of the Eclipſes: alſo Rules and Tables for the meaſuring of Timber: with many other things both pleaſant, uſeful and neceſſary.

alculated according to Art, and fitted to the Meridian of *Leiceſter*, whoſe Latitude is 52 Degrees 41 Minutes, exactly fitting all the middle Counties of *England*, and without ſenſible error the whole Kingdom,

---

By *RICHARD SAUNDER*,
tudent in the Phyſical and Mathematical Sciences.

ONDON, Printed by *J. Wilde*, for the
Company of *STATIONERS*, 1703.

The *Julian* or Old Account uſed in *Engl.* } 1703. { The *Gregorian* or N Stile uſed beyond Sea

	13	The Golden Number.	
	C	The Dominical Letter.	
	23	The Epact.	
February	7	Shrove-Sunday.	February
May	6	Aſcenſion-Day.	May
May	16	Whit-Sunday.	May
November	28	Advent-Sunday.	December

A Table of the Terms and their Return

Hilary Term begins *January* 23, ends *February*

Eſſoin-days.	*Except.*	*Ret. Brev.*	*Appear*
Octab. Hilar. Jan. 20	January 21	Jan. 22	Jan.
Quind. Hilar. Jan. 27	January 28	Jan. 29	Jan.
Craſtin. Purif. Feb. 3	February 4	Febr. 5	Febr.
Octab. Purif. Feb. 9	February 10	Febr. 11	Febr.

Eaſter Term begins *April* 14, ends *May* 10

Quind. Paſch. April 12	April 13	April 13	April
Tres Paſch. April 19	April 20	April 20	April
Menſ. Paſch. April 26	April 27	April 27	April
Quinq. Paſch. May 3	May 4	May 4	May
Craſt. Aſcenſ. May 7	May 8	May 8	May

Trinity Term begins *May* 28, ends *June* 1

Craſt. Trin. May 24	May 25	May 26	May
Octab. Trin. May 31	June 1	June 1	June
Quind. Trin. June 7	June 8	June 8	June
Tres. Trin. June 14	June 15	June 15	June

Michaelmas Term begins *Octob.* 23, ends *Nov*

Tres Mich. Octob. 20	Octob. 21	Octob. 22	Octob.
Menſ. Mich. Octob. 27	Octob. 28	Octob. 29	Octob.
Craſt. Anim. Nov. 3	Novemb. 4	Novemb. 5	Novem
Craſt. Mart. Nov. 12	Novemb. 13	Novemb. 13	Novem
Octab. Mart. Nov. 18	Novemb. 19	Novemb. 20	Novem
Quind. Mart. Nov. 25	Novemb. 26	Novemb. 27	Novem

Table of the KINGS and QUEENS of *England*, ſince the Conqueſt.

	Born Anno	*Began to reign.*	Reigned Y.	M	Since their Reigns ended.	Buried at
illiam 1	1029	1066, Oct. 14	20	11	636, Septem. 9	Caen No.
illiam 2	1056	1087, Sep. 9	12	11	603 August 2	Wincheſt
enry 1	1068	1100, Aug. 2	35	4	568, Decem. 1	Reding
ephen	1105	1135, Dec. 1	18	11	549, Octob. 25	Feverſh.
The Saxon Line reſtor'd.						
enry 2	1132	1154, Oct. 25	35	9	514, July 6	Founteve
ichard 1	1155	1189, July 6	9	9	504, April 6	Founteve
ohn	1165	1199, April 6	17	6	487, Octob. 19	Worceſter
enry 3	1207	1216, Oct. 19	56	1	431, Nov. 16	Weſtmin
dward 1	1239	1272, No. 16	34	8	396, July 7	Weſtmin.
dward 2	1283	1307, July 7	19	7	377, Jan. 25	Gloceſter.
dward 3	1312	1326, Jan. 25	51	5	326, June 21	Weſtmin.
ichard 2	1366	1377, Jun. 21	22	3	304 Sept. 29	Weſtmin.
The Line of Lancaſter.						
enry 4	1367	1399, Sep. 29	13	6	90, Mar. 20	Canterb.
enry 5	1386	1412, Mar. 20	9	5	281, Aug. 31	Weſtmin.
enry 6	1421	1422, Aug. 31	38	6	242, Mar. 4	Windſor
The Line of York.						
dward 4	1442	1461, Mar. 4	22	1	220, April 9	Wincheſt
dward 5	1471	1483, Apr. 9	0	1	220, June 18	Not kno.
ichard 3	1448	1483, Jun. 18	2	2	218, Aug. 22	Leiceſt.
The Families United.						
enry 7	1455	1485, Aug. 22	23	6	194, April 22	Weſtmin.
enry 8	1491	1509, Apr. 22	37	10	156, Jan. 28	Windſor
dward 6	1537	1547, Jan. 28	6	5	150, July 6	Weſtmin.
.Mary	1516	1553, June 6	5	4	145, Nov. 17	Weſtmin.
. Elizab.	1533	1558, No. 17	44	4	101, March 24	Weſtmin.
The Union of the two Kingdoms.						
mes 1	1566	1602, Ma. 24	22	0	78, March 27	Weſtmin.
arles 1	1600	1625, Ma. 27	23	11	54 Janu. 30	Windſor
arles 2	1630	1648, Jan. 30	36	0	18 Februar. 6	Weſtmin.
mes 2	1633	1684, Feb. 6	1	9	4, Febru. 18	.
lliam & y	1650 1662	1689, Feb. 13	13 5	1 10	1, March 8 9, Decemb. 28	Weſtmin. Weſtmin.
. Anne		1702, Mar. 8	Whom God grant long to Reign			

You here may ſee a Race of Monarchs Great,
Each for a time did fill the Royal Seat,
Then left the Throne : You ſee it fill'd again,
Pray God our Queen long time o'er us may reign,
Her Subjects multiply, Her Foes decreaſe,
Her Kingdom have Proſperity and Peace.

A Table ſhewing the time of the Moon's comin to the South in Hours and Minutes, every da for the firſt ſix Months of this Year 1703.

Days	*Jan.*		*February*		*March*		*April*		*May*		*June*	
	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.
1	9M.	9	8M.	43	7M	37	9M.	19	9M	40	10M.	31
2	8	6	9	43	8	35	10	7	10	24	11	16
3	9	3	10	43	9	33	10	55	11	7	12	01
4	10	1	11	37	10	25	11	38	11	51	12	5
5	11	0	12A.	30	11	13	12	21	12	37	1A.	42
6	11	59	1	18	12	03	1A.	04	1A.	21	2	3
7	12A.	58	2	6	12A.	50	1	51	2	9	3	20
8	1	51	2	54	1	37	2	37	2	57	4	0
9	2	44	3	36	2	23	3	23	3	45	4	54
10	3	36	4	18	3	6	4	13	4	35	5	41
11	4	18	5	1	3	49	5	2	5	25	6	2
12	5	0	5	47	4	33	5	51	6	14	7	1
13	5	41	6	33	5	22	6	40	7	2	8	6
14	6	25	7	18	6	11	7	30	7	50	9	0
15	7	09	8	10	7	00	8	20	8	38	9	5
16	7	53	9	2	7	51	9	11	9	31	10	5
17	8	41	9	55	8	43	10	01	10	24	11	5
18	9	29	10	45	9	34	10	51	11	17	12	5
19	10	17	11	35	10	24	11	47	12	18	0M.	5
20	11	11	12	25	11	14	12	43	0M.	18	1	5
21	12	04	0M.	25	12	05	0M.	43	1	18	2	5
22	0M.	04	1	17	0M.	05	1	38	2	17	3	5
23	0	54	2	09	0	59	2	38	3	17	4	4
24	1	44	3	00	1	53	3	38	4	17	5	2
25	2	33	3	54	2	46	4	37	5	17	6	1
26	3	22	4	47	3	45	5	33	6	4	6	5
27	4	11	5	40	4	43	6	29	6	51	7	3
28	5	00	6	39	5	42	7	24	7	38	8	2
29	5	54			6	38	8	10	8	20	9	6
30	6	49			7	34	8	56	9	3	9	
31	7	43			8	30			9	45		

A Table ſhewing the time of the Moon's coming to the South in Hours and Minutes, every day for the laſt ſix Months of this Year 1703.

	July		*Auguſt*		*Septem.*		*Octob.*		*Novem.*		*Decem.*	
	H.	M	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.
1	10M.	40	11M.	52	1A.	8	1A.	38	3A.	20	3A.	57
2	11	35	12	40	1	56	2	35	4	19	4	53
3	12	20	1A:	28	2	44	3	31	5	18	5	48
4	1A.	5	2	15	3	38	4	27	6	18	6	32
5	1	51	3	3	4	32	5	26	7	9	7	16
6	2	47	3	51	5	25	6	25	8	57	8	00
7	3	33	4	42	6	25	7	24	7	45	8	44
8	4	18	5	34	7	26	8	17	9	29	9	28
9	5	3	6	26	8	26	9	10	10	12	10	11
10	5	53	7	26	9	22	10	3	11	55	11	00
11	6	42	8	25	10	17	10	49	11	41	11	47
12	7	33	9	25	11	12	11	34	12	27	12	35
13	8	35	10	23	11	58	12	17	0M.	27	0M.	35
14	9	35	11	22	12	46	0M.	17	1	13	1	24
15	10	36	12	21	0M.	46	1	4	2	3	2	13
16	11	35	0M.	21	1	32	1	51	2	53	3	2
17	12	35	1	9	2	19	2	36	3	42	3	48
18	0M.	35	1	58	3	6	3	25	4	29	4	33
19	1	34	2	46	3	52	4	14	5	15	5	18
20	2	24	3	31	4	40	5	3	6	2	6	02
21	3	14	4	15	5	23	5	49	6	48	6	47
22	4	04	5	00	6	15	6	35	7	33	7	32
23	4	47	5	47	7	5	7	21	8	18	8	27
24	5	30	6	34	7	54	8	10	9	10	9	22
25	6	14	7	20	8	43	9	00	10	1	10	17
26	7	1	8	11	9	32	9	48	10	52	11	21
27	7	47	9	02	10	20	10	39	11	55	12	24
28	8	33	9	54	11	8	11	30	12	58	1A.	27
29	9	24	10	43	11	58	12	21	2A.	00	2	22
30	10	14	11	31	12	48	1A.	10	3	00	3	17
31	11	04	12	19			2	20			4	11

To find the time of High Water in moſt Ports of England

First ſeek the Moon's Southing on the foregoing Table f your Day, then you may conclude it High-Water *Southampton*, *Quinborough* and *Portſmouth*, for there th South and North Moons make a High-Water: But when yo deſire the time of Full Sea in any of the following Coaſts i the enſuing Table, find the name of the Place, and ſee ho many Hours and Minutes be annex'd thereunto in the Colum under *H. M.* which added to the time of the Moon's comin to the South, gives the time of High-Water at the Pla required.

A *Tide Table*, with the Names of the Havens.

	H.	M.
Rocheſter, *Malden*, *Aberdeen*,	0	45
Graveſend, *Romney*, *Ramkins*,	1	30
London, *Tinmouth*, *Hartle-pool*,	3	0
Frith, *Leith*, *Dunbar*, *Narbon*,	4	30
Newcaſtle, *Falmouth*, *Humber*,	5	15
Lyn, *Antwerp*, *Plimouth*, *Hull*,	6	0
Briſtol, *Lanion*, *Foulneſs*,	6	45
Milford, *Bridg-water*, *North-coaſt*,	7	30
Portland, *Peterport*, *Hartſlew*,	8	51
Dover, *Yarmouth*, *Harwich*, *Dublin*,	10	30
Calais, *Rye*, *Winchelſea*, *Calſhot*,	11	15

Example.

The 5th. Day of *Auguſt*, this Year, it is Required to kno the Time of High-Water at *London*: By the Table of t Moon's coming to the South, againſt *Auguſt* the 5th. find the Moon South at 3 ho. 3 min. Afternoon, then in t Tide-Table above, I find againſt *London*, 3 ho 00 min. whi being added to 3 ho. 3 min. makes 6 ho. 3 min. the Ti of High-Water at *London*, *Aug.* the 5th. in the Afte noon, ſo of any other.

Note, That the Tide floweth conſiderably more at t New and Full Moons, than at the Firſt and Laſt Quarter as alſo the Latitude of the Moon and Winds may alter an hour ſooner or later.

Direc

Directions for the ſubſequent Diary or Almanack.

N the firſt Column to the left hand, on the left-hand Pag
you have the Numerical Figures of the days of the Month.

n the ſecond Column you have the week days, and the
minical Letter.

n the third Column you have the Saints days, and the
ces of the Planets once a Month; as alſo the Moons ap-
ation to the fixed Stars, by which the Aſteriſms and Con-
lations may be eaſily known to an ingenious eye and
derſtanding.

n the fourth Column the Moons place in the Zodiack,
ry day at noon.

n the fifth Column the riſing and ſetting of the Moon,
h reſpect to her Latitude.

n the ſixth Column the Mutual Aſpects of the Planets
h the general ſtate of the Weather.

n the firſt Column on the Right-hand Page you have the
gliſh Account.

n the ſecond Column you have the Roman Account, be-
now 11 days before ours.

n the third Column the Roman Week days.

n the fourth Column the perfect Roman Kalendar, and
nts days.

n the fifth Column you have a diſcourſe of the Motion
the Earth.

The ſixth, ſeventh and eighth Columns, the utmoſt to
Right hand, ſhew you the daily Riſing and Setting of the
n.

On the top of the Left hand Page is ſet the New and Full
ons, with the firſt and laſt Quarters.

On the top of the Right hand Page is ſet the Riſing, South-
and Setting of the Planets.

January hath xxxi days.

● New Moon the 6th. day, half an hour after 11 in the m
☽ First Quarter the 13th. day, at 10 at night.
● Full Moon the 21st. day, a little before midnight.
☾ Last Quarter the 29th. day, at 3 in the morning.

1	a	New-Years-Day	ſcorp.	14	1 M.	47	Moon's Riſ.
2	b	☽ n. Cor. Scorp.	ſcorp.	29	3	11	
3	C	2 Sun. paſt Chri.	ſagit.	13	4	26	
4	d	☽ n. Sin. Man. ♐	ſagit.	28	5	48	
5	e	☽ n. Caud. Vul.	capri.	13	6	58	
6	f	Epiphany	capri.	27	New	●	—
7	g	☽ n. Sin. hum. ♒	aqua.	11	5 A.	25	
8	a	☽ n. Dex. hu. ♒	aqua.	25	6	41	
9	b	Sol in Aquarius	piſces	9	7	57	
10	C	1 Sun. paſt Epiph.	piſces	22	9	09	
11	d	♄ ♈ 4. 42.	aries	5	10	22	Moon's Setting.
12	e	♃ ♈ 9. 7.	aries	17	11	31	
13	f	Hilary.	aries	29	12	29	
14	g	♂ ♈ 11. 4.	taur.	11	0 M.	39	
15	a	♀ ♒ 4. 54.	taur.	23	1	45	
16	b	☿ ♒ 2. 33.	gem.	5	2	52	
17	C	2 Sun. paſt Epiph.	gem.	17	3	57	
18	d	☽ n. Luc. ped. ♊	gem.	29	5	02	
19	e	☽ n. Syrius	canc.	11	5	55	
20	f	☽ n. Procyon	canc.	26	6	48	
21	g	Agnes	leo	6	Full	●	—
22	a	☽ n. Cor. Leon.	leo	19	5 A.	3	
23	b	Term begins	virgo	2	6	18	
24	C	Septuageſima	virgo	16	7	34	Moon's Riſing.
25	d	Con. of S. Paul	virgo	29	8	49	
26	e	☽ n. Spica Virg.	libra	13	10	05	
27	f	☽ n. Architas	libra	26	11	27	
28	g	☽ n. Lanx Auſt.	ſcorp.	11	12	50	
29	a	☽ n. Lanx Bor.	ſcorp.	25	0 M.	50	
30	b	K. Cha. I. Martyr	ſagit.	9	2	1	
31	C	Sexageſima	ſagit.	23	3	31	

froſty, and co
ſharp Weath
at the beginnin
☌ ♄ ♂ is expe
ed; but abo
the 6th. day yiel
ing with Sno
or cold Rain, fo
lowed with hi
☌ ♃ ♂ Wind
But about the
day Froſt retur
yet the Weath
⚹ ♄ ☉ gener
⚹ ♄ ♀ cloſe, a
ſometimes fog
⚹ ♄ ☿ and abo
the 17th. Wi
⚹ ♃ ☉ ⚹ ♃
⚹ ♃ ♀ ☌ ☉
and ſtormy W
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☌ ♀ ☿ ty of Sn
⚹ ♂ ☿ about
Full ● follow
⚹ ♂ ♀ with ſha
Froſt, and is
pected to conti
with ſome Storm
bout the 29th.
froſty to the

January

Saturn, *Jupiter*, and *Mars*, are all three near together, all the former part of the Month, and are South between 4 and 5 at night, and ſet between 10 and 11. at the end, *Saturn* and *Jupiter* ſet about an Hour ſooner.

Venus and *Mercury* are both hid under the Sun's Beams.

Forein Account	Roman Kalendar	Roman Saints days						
12	e	Satyrius	*Whether the Earth move*	1	8	6	3	54
13	f	Hilary B.	*or ſtand ſtill, hath been a*	2	8	5		55
14	G	2 Sun. p. Epi	*Problem*, &c. *Upon this I*	3		4		56
15	a	Mauritius	*have formerly mentioned ſe-*	4		2		58
16	b	Marcellus	*veral that had endeavoured*	5	8	1	3	59
17	c	Anthony	*a Reconciliation of ſuch Texts*	6	7	59	4	1
18	d	Priſca	*of Scripture, as have been al-*	7		58		2
19	e	Pontian	*ledged againſt the Pythagore-*	8		56		4
20	f	Fab. & Seb.	*an or Copernican Hypothe-*	9		55		5
21	G	3 Sun. p. Epi.	*ſis. Of theſe, that Lyncean,*	10		53		7
22	a	Vincent	*and Learned Philoſopher*	11		52		8
23	b	Emerent	Galilæus, *in his Diſcourſe,*	12	7	50	4	10
24	c	Timothy	*call'd*, The ancient and mo-	13		49		11
25	d	Con. S. Paul	dern Doctrine of Holy Fa-	14		47		13
26	e	Polycarp	thers, and Judicious Di-	15		46		14
27	f	Jo. Chryſoſt.	vines, concerning the raſh	16		44		16
28	G	4 Sun. p. Epi.	Citation of the Teſtimony	17		43		17
29	a	Valerius	of ſacred Scripture, in Con-	18		41		19
30	b	Adelgund.	cluſions meerly natural	19		39		21
31	c	Cyriacus	and that may be proved	20	7	38	4	22
Feb.		Bridget	by ſenſible Experiments,	21		36		24
2		Pur. V. Mary	and neceſſary Demonſtra-	22		34		26
3	f	Blaſe	tions, *Speaking of the Anti-*	23		33		27
4	G	Septuageſi;	*ent Copernicans, ſaith thus, The*	24		31		29
5	a	Agatha	*Motive therefore that they pro* *duce to condemn the Opinion of*	25	7	29	4	31
6	b	Dorothea	*the Mobility of the Earth, and*	26		27		33
7	c	Zachary	*Stability of the Sun, is, that*	27		25		35
8	d	Corinthia	*reading in the Sacred Leaves,*	28		23		37
9	e	Apollon.	*in many places, that the Sun* *moveth, that the Earth ſtand-*	29		21		39
10	f	Scholaſtica.	*eth ſtill; and the Scripture*	30	7	19	4	41
11	G	Sexageſima.	*not*	31		17		43

February hath xxviii Days.

● New Moon, the 4th. day, near midnight.
☽ Firſt Quarter, the 12th. day, at 6 at night.
● Full Moon, the 20th. day, at 2 in the afternoon.
☾ Laſt Quarter, the 28th. day, at 11 in the morning.

Mon. Day.	Week Da	Feſtival & Saints days, with the ☽ s applicatio. to the noted fix'd ſtars.	The ☽ s place in zodiack at Noon		The ☽ s riſing fro. the full to the change, & ſetting fr. the cha. to the F.			The mutuA of the Pla with the va con. of ai, cha of we
1	d	☽ n. Caud. vult.	capr.	8	4	39	Moon's Riſ.	cold and fro
2	e	Purif. Mary.	capr.	22	5	47		✱ ☉ ☌ Weath
3	f	☽ n. Lu. in M ♒	aquar.	6	6	35		ſtill continu
4	g	☽ n. Sin. Hu. ♒	aquar.	20	New	●		But about the4
5	a	☽ n. Dex. Br. ♒	piſces	4	5 A.	34		day Wind, and
6	b	☽ n. Marchab.	piſces	17	6	48		Thaw is expec
7	C	Quinquageſima.	aries	0	8	2		with Rain, Sno
8	d	Sol in Piſces.	aries	13	9	12	Moon's Setting.	and unconſta
9	e	Shrove-Tueſday.	aries	25	10	22		Weather , a
10	f	Aſh-Wedneſday.	taur.	7	11	30		ſometimes fog
11	g	☽ n. Pleiades.	taur.	19	12	38		and cloſe, a
12	a	Term ends.	Gem.	1	0 M	38		about this tim
13	b	☽ n. Cap. Orio.	Gem.	13	1	44		light Froſts, fo
14	C	Quadrageſima.	Gem.	25	2	50		[Valentine]
15	d	♄ ♈ 8. 10.	Can.	7	3	46		lowed with fo
16	e	♃ ♈ 15. 48.	Can.	19	4	43		gy and driſli
17	f	Ember-Week.	leo	2	5	26		Weather ; b
18	g	♂ ♉ 5. 10.	leo	15	6	00		about the 19
19	a	♀ ♓ 18. 48.	leo	28	6	33		or 20th. Da
20	b	☿ ♈ 0. 9.	virgo	11	Full	●	–	High Winds a
21	C	2 Sunday in Lent.	virgo	25	6 A.	37		turbulent We
22	d	☽ n. Vindemiat.	libra	6	7	58	Moon's Riſing.	ther, with ple
23	e	☽ n. Spica virg.	libra	23	9	20		ty of Rain
24	f	S. Matthias.	ſcorp.	8	10	43		Snow is expe
25	g	☽ n. Su. in fro. ♏	ſcorp.	22	12	0		ed , and con
26	a	☽ n. Cor. Scorpi.	ſagit.	6	0 M.	07		nues ſtormy a
27	b	☽ n. Dex. hu. Op.	ſagit.	20	1	23		unconſtant
28	C	3 Sunday in Lent	capr.	4	2	40		the end.

February 1703.

Saturn and *Jupiter* ſet at the beginning between 8 and 9 at night, at the end they ſet about 8. *Mars* ſets then about two hours after them. *Venus* and *Mercury* follow the Sun, ſetting a little after him, and towards the end may be ſeen

Forei. Accoun.	Rem. Kalend.	Rom. Sts. Days	*Fer.æ ſtatæ in concept.* Of the Motion of the Earth.	M.D.	☉ ri.		☉ ſe.	
2	a	Eufrace	*not being capable of lying,*	1	7	16	4	44
3	b	Euſtatius	*or erring, it followeah upon*	2		14		46
4	c	Valentine	*neceſſary Conſequence, That*	3		12		48
5	d	Fauſtin	*the Poſition of thoſe is*	4		10		50
6	e	Juliana	*Erroneous and Heretical,*	5		8		52
7	f	Dioſcorus	*who maintain, that the Sun*	6		6		54
8	G	Quinquag.	*of it ſelf is immoveable,*	7		4		56
9	a	Romin	*and the Earth moveable.*	8		2	4	58
0	b	Shrove-Tu.	*Touching this Reaſon, I think*	9	7	0	5	00
1	c	Aſh-Wedn.	*it fit in the firſt place to*	10	6	58	5	2
2	d	Cath. Pet.	*conſider, that it is both pi-*	11		56		4
3	e	Serenus	*ouſly ſpoken, and prudently*	12		54		6
4	f	S. Matthia	*affirmed, that the Sacred*	13		52		8
5	G	Quadrageſi	*Scripture can never lye.*	14		50		10
6	a	Simeon	*when ever its true mean-*	15		48		12
7	b	Meſtor.	*ing is underſtood; which I*	16		46		14
8	c	Roman	*believe none will deny to*	17	6	44	5	16
ar.		David B.	*be many times very ab-*	18		42		18
2	e	Ceddus B.	*ſtruſe, and very different*	19		40		20
3	f	Cunegund	*from that which the bar-*	20		38		22
4	G	Reminiſcer.	*Sound of the Words ſigni-*	21		36		24
5	a	Phocas	*fieth. Whence it cometh to*	22		34		26
6	b	Frodelin	*paſs, that if ever any one*	23	6	32	5	28
7	c	Perpetua	*ſhould conſtantly confine him-*	24		30		30
8	d	Cyprian	*ſelf to the naked Gram-*	25		27		33
9	e	Prudent	*matical Sence, he might,*	26		25		35
10	f	Agapitus	*erring himſelf, make no*	27		23		37
11	G	Oculi	*only Contradictions and*	28	6	21	5	39

Pro-

March hath xxxi days.

● New Moon, the 6th. day, at 2 in the afternoon.
☽ Firſt Quarter the 14th. day, at 3 in the afternoon.
● Full Moon, the 22d. day, at 2 in the morning.
☾ Laſt Quarter the 28th. day, at 6 in the afternoon.

1	d	David	capr.	18	3	M.	38	☽'s Riſing.	froſty Weat
2	e	Chad	aqua.	2	4		35		is expected
3	f	☽ nSin. Hum. ♒	aqua.	15	5		12		the beginni
4	g	☽ n. Dex.hu. ♒	aqua.	29	5		48		but about
5	a	☽ n. Mar. Peg.	piſces	14	6		11		New Moon
6	b	☽ n. Algenib	piſces	25	New		●		Winds with Sn
7	C	Mid. Lent Sund.	aries	8	7	A.	2		☌ ☉ ☿ or c
8	d	♄ ♈ 10. 41.	aries	21	8		12		☌ ♄ ♀ Rain,
9	e	♃ ♈ 20. 29.	taur.	3	9		2[illegible]		lowed with Fr
10	f	Sol in Aries	taur.	15	10		31	Moon's Setting.	but about
11	g	♂ ♉ 19 23.	taur.	27	11		38		13th. or 1
12	a	♀ ♈ 14. 53.	gem.	9	12		42		day Winds, w
13	b	☿ ♈ 21. 31.	gem.	21	0	M.	42		⚹ ☌ ☿ ple
14	C	5 Sunday in Lent	canc.	3	1		46		of Rain or Sn
15	d	☽ n. Ca & Poll.	canc.	15	2		37		and continu
16	e	☽ n. Procyon	canc.	27	3		28		ſtormy and
17	f	☽ n. Aſellus	leo	9	4		4		rough, and ab
18	g	☽ n. Cor. Leon.	leo	22	4		41		☌ ♃ ♀ thi
19	a	☽ n.Lu.in ter ♌	virg.	6	5		4		time ſome F
20	b	☽ n.Caud.Leon.	virg.	19	5		28		is expected;
21	C	Palm Sunday	libra	3	5		51		the Full M
22	d	☽ n. Spica Virg.	libra	18	Full		●		☌ ♄ ☉ bri
23	e	☽ n. Lanx Auſt.	ſcorp.	3	8	A.	27		windy and f
24	f	☽ n.Lanx Boreal	ſcorp.	17	9		50	Moon's Riſing.	my Weather
25	g	Ann.B.V.Mary	ſagit.	2	11		13		which is follo
26	a	☽ n.Dex hu.Op.	ſagit.	16	12		39		with froſty
27	b	☽ n.Sin. Min. ♐	capr.	1	0	M	39		cloudy cloſe W
28	C	Eaſter Day	capr.	15	1		4[illegible]		ther; but
29	d	☽ n.Luc.vultur.	capr.	28	2		45		end of th
30	e	☽ n.Sin.hum. ♒	aqua.	12	3		23		Month produc
31	f	☽ n. Dex hu. ♒	aqua.	25	4		00		driſling Rain

March 1703.

Forein Accom.
Rom. Kalendar.
Rom St. da s.

Saturn and *Venus*, at the beginning, ſet near together, a little after the Sun; toward the end, *Saturn* is Combuſt: *Jupiter* and *Venus* are then near together, following the Sun. *Mars* ſets between 10 and 11 at Night; *Mercury*, at the beginning, goeth to Combuſtion; at the end he emergeth from the Sun Beams, riſing before him.

2	a	Gregory	*Propoſitions, remote from*	1	6	19	5	41
3	b	Euphraſia	*Truth, to appear in the*	2	6	17		43
4	c	Eutychus	*Scriptures, but alſo groſs*	3	6	14		46
5	d	Longinus	*Hereſies and Blaſphemies:*	4	—	12		48
6	e	Herbert	*For that we ſhould be for-*	5		10		50
7	f	Gertrude	*ced to aſſign to God, Feet*	6		8		52
8	G	Lætare	*and Hands, and Eyes, yea*	7		6		54
9	a	Joſeph	*more Corporal and Humane*	8		4		56
0	b	Cuthbert	*Affections, as of Anger, of*	9		2	5	58
1	c	Bened. &	*Repentance, of Hatred;*	10	6	0	6	0
22	d	Aphrodiſ.	*nay, and ſometimes of for-*	11	5	58	6	2
3	e	Victorin	*getting of Things paſt, and*	12		56		4
4	f	Quirinus	*Ignorance of Things to*	13		54		6
25	G	Ann. B.V.M.	*come: Which Propoſitions,*	14		52		8
26	a	Caſtulus	*like as they were in that*	15		50		10
7	b	Jo. Brein.	*manner, pronounced by the*	16		48		12
8	c	Gideo	*Sacred Scriptures, that they*	17		46		14
29	d	Euſtach	*might be accommodated to*	18	5	44	6	16
30	e	Guidon	*the Capacity of the Vulgar,*	19		42		18
31	f	Balbina	*who are very Rude and Un-*	20		40		20
April		Palm Sund.	*learned; ſo likewiſe, for the*	21		37		23
2	a	Mary Egy.	*ſakes of thoſe that deſerve*	22		35		25
3	b	Ulpian	*to be diſtinguiſhed from the*	23		33		27
4	c	Ambroſe	*Vulgar, it is neceſſary that*	24		31		29
5	d	Vincent	*grave and ſkilful Expoſi-*	25	5	29	6	31
6	e	Sixtus	*tors, produce the true Sen-*	26		26		34
7	f	Egeſippus	*ſes of them, and ſhew the*	27		24		36
8	G	Paſcha	*particular Reaſons why they*	28		22		38
9	a	Marcellus	*are dictated under ſuch and*	29		20		40
10	b	Ezechiel	*ſuch Words. And this is a*	30	5	17	6	43
11	c	Leo	*Doctrine*	31		15		45

April hath xxx Days.

● New Moon, the 5th. day, at 5 in the morning.
☽ Firſt Quarter, the 13th. day, at 8 in the morning.
● Full Moon, the 20th. day, at 11 in the morning.
☾ Laſt Quarter, the 27th. day, at 2 in the morning.

1	g	☽ n. An. in C. ♓	piſces	9	4 M.	21	☽ Riſing.	cloudy and w
2	a	☽ n. Marchab	piſces	21	4	48		dy, and about
3	b	☽ n Algenib	aries	4	5	6		4th. or 5th.
4	C	Low Sunday	aries	17	5	23		ſhowry Weat
5	d	☽ n prim. ✱ Ar.	aries	29	New	●	—	is expected,
6	e	☽ n Manker	taur.	12	8 A.	26		☌ ♃ ☉ co
7	f	☽ n Pleiades	taur.	24	9	33		nues droping
8	g	☽ n Aldebaran	Gem.	5	10	40		then fair
9	a	Sol in Taurus	Gem.	17	11	41	Moon's Setting.	ſome days.
10	b	☽ n. Luc. ped. ♊	Gem.	29	12	42		about the 1
11	C	2 Sun. paſt Eaſt.	canc.	11	0 M.	42		day, ſome
12	d	☽ n. Procyon	canc.	23	1	28		Rain is exp
13	e	☽ n. Aſel us	leo	5	2	14		ed, then wa
14	f	Term begins	leo	18	2	43		for a day
15	g	☽ n Cor. Leonis	virgo	0	3	12		two, but
16	a	♄ ♈ 15. 31.	virgo	14	3	41		turns to co
17	b	♃ ♈ 29. 47.	virgo	28	4	9		✱ ♂ ☿ cloud
18	C	3 Sun. paſt Eaſt.	libra	12	4	38		☌ ♄ ♀ and
19	d	♂ ♊ 15. 17.	libra	26	5	6		cloſe Weathe
20	e	♀ ♊ 2. 51.	ſcorp.	11	Full	●	—	✱ ♄ ♂ But
21	f	☿ ♈ 20. 5.	ſcorp	26	9 A.	4		bout the 2
22	g	☽ n Cor. Scorp.	ſagit.	11	10	32		day ſome wa
23	a	S. *George*	ſagir.	26	12	00	Moon's Riſing.	Showers are
24	b	☽ n. ult. in C. ♐	capri.	11	00 M	00		pected, and c
25	C	S. Mark	capri.	25	00	49		tinues warm
26	d	☽ n. Sin. hu. ♒	aqua.	9	1	38		good Spring
27	e	☽ n Dex. hu. ♒	aqua.	22	2	12		Weather ti
28	f	☽ n. An. in Ca. ♓	piſces	6	2	40		☌ ♃ ♀ near
29	g	☽ n. Marchab	piſces	18	3	00		end, which pro
30	a	☽ n. Algenib	aries	1	3	20		ceth high Wi

April 1703.

Saturn riſeth a little before the Sun. *Jupiter* at the beginning is Combuſt, and continues hid under the Sun Beams. *Mars* ſets between 10 and 11 at night. *Venus* at the beginning ſets before 9, at the end, after 10 at night. *Mercury* riſes before the Sun.

Forein. Accom.	Rom. Kalendar			Com. St. days				
12	d	Julius	*Doctrine ſo true and common*	1	5	12	6	48
13	e	Juſtinus	*among Divines, that it*	2		10		50
14	f	Tiburtius	*would be ſuperfluous to pro*	3		8		52
15	G	Quaſimod	*duce any atteſtation thereof.*	4		6		54
16	a	Cariſius	*Hence methinks I may with*	5		4		56
17	b	Anicetus	*much more Reaſon conclude,*	6		2		58
18	c	Valerian	*that the ſame HolyWrit, when*	7	5	0	7	00
19	d	Timon	*ever it hath had occaſion to*	8	4	58	7	2
20	e	Sulpitius	*pronounce any Natural Con-*	9		56		4
21	f	Simeon	*cluſions, and eſpecially any*	10		54		6
22	G	Miſericord	*of thoſe which are more ab-*	11		52		8
23	a	S. George	*ſtruſe and difficult to be un-*	12		50		10
24	b	Albertus	*derſtood, hath not failed to*	13		48		11
25	c	S. Mark	*obſerve this Rule, that ſo it*	14		46		14
26	d	Cletus	*might not cauſe Confuſion*	15	4	44	7	16
27	e	Anaſtaſius	*in the minds of thoſe very*	16		42		18
28	f	Vitalis	*People, and render them the*	17		40		20
29	G	Jubilate	*more contumacious againſt*	18		39		21
30	a	Eutropius	*the Doctrines that were more*	19		37		23
May		S. Phil & Ja.	*ſublime & Myſterious: For*	20		35		25
2	c	Athanaſius	*(like as we have ſaid, and as*	21		34		26
3	d	Inv. Crucis	*it plainly appeareth) out*	22		33		27
4	e	Florianus	*of the ſole Reſpect of conde*	23		31		29
5	f	Gothard	*ſcending to vulgar Capacity,*	24	4	30	7	30
6	G	Cantate	*the Scripture hath not ſcru-*	25		28		32
7	a	Juvenal	*pled to ſhadow over moſt*	26		26		34
8	b	Staniſlaus	*Principal and Fundamental*	27		25		35
9	c	Epinach	*Truths, attributing, even*	28		23		37
10	d	Gordi. &c.	*to God himſelf, Qualities*	29		21		39
11	e	Mamert.	*extreamly remote from, and*	30	4	19	7	41
			contrary unto his Eſſence:					

May hath xxxi Days.

● New Moon, the 4th. day, at 8 at night.
☽ First Quarter the 12d. day, half an ho. after 8 at nigh
● Full Moon, the 19th. day, at 6 in the afternoon.
☾ Last Quarter the 26th. day, at 11 in the morning.

1	b	S. Phil. and Jacob	aries 14	3	36	☽'s Riſ.	✱ ♄ ♀ ſome
2	C	5 Sun. paſt Eaſte	aries 26	3	52		Showers at t
3	d	☽ n. Manker	taur. 8	4	8		beginning, th
4	e	☽ n. Pleiades	taur. 20	New ●		—	fair and hot We
5	f	☽ n. Aldebaran	gem. 2	8 A.	35		ther is expect
6	g	Aſcent. Domini	gem. 14	9	37		for ſome day
7	a	☽ n. Luc. Ped. ♒	gem. 25	10	39		other whiles ſo
8	b	☽ n. Syrius	canc. 8	11	28		briſk Gales
9	C	6 Sun. paſt Eaſter	canc. 20	12	17	Moon's Setting.	Wind, and a
10	d	Term ends	leo 2	0 M.	17		bout the 12
11	e	Sol in Gemini	leo 14	0	48		day ſome ſhow
12	f	☽ n. Cor. Leonis	leo 26	1	20		☌ ☿ ♀ ☌ ☉
13	g	☽ n. Lu in te. ♌	virgo 9	1	41		Weather begi
14	a	☽ n. Cau Leonis	virgo 22	2	2		and continue
15	b	☽ n. Vindemiatr	libra 6	2	24		ſhowry; then
16	C	Whit Sunday	libra 20	2	44		follows miſty a
17	d	♄ ♈ 19. 00.	ſcorp. 5	3	04		foggy Mornin
18	e	♃ ♉ 7. 00.	ſcorp. 20	3	24		✱ ♃ ♀ wi
19	f	Ember Week	ſagit. 5	Full ●		—	faſt Afternoo
20	g	♂ ♋ 5. 26.	ſagit. 20	9 A.	21		✱ ♄ ♀ and No
21	a	♀ ♋ 10. 21	capri. 6	10	24		therly Winds,
22	b	☿ ♊ 22. 44.	capri. 20	11	27	Moon's Riſing.	with ſome fro
23	C	Trinity Sunday	aqua. 4	12	04		mornings and f
24	d	☽ n. Sin. Hum. ♒	aqua. 19	0 M.	04		Weather for ſe
25	e	☽ n. Dex. Hu. ♒	piſces 2	0	42		✱ ♃ ☿ ral da
26	f	☽ n. Marchab	piſces 15	1	03		But towards
27	g	☽ n. Algenib	piſces 28	1	25		end of the Mo
28	a	Term begins	aries 11	1	40		ſome Shower
29	b	K. Ch. II, N. & R	aries 23	1	56		□ ♄ ♀ of R
30	C	1 Sun. paſt Trin.	taur. 5	2	12		are expected
31	d	☽ n. Pleiades	taur. 17	2	29		✱ ♄ ☉ ✱

May. 1703.

Saturn at the beginning riſes a little after 3 in the Morning, at the end he riſes before 2. Jupiter riſes about half an hour after him. The Conjunction of Mars *and* Venus *the 13th day will be worth Obſervation, they ſet then very near together, almoſt half an Hour after 10 at Night. ☿ is Combuſt.*

Forein Account	Rom. Kalendar	[illegible]						
[illegible]	[illegible]	Pancratius	Who would not poſitively	1	4	17	7	43
[illegible]	[illegible]	Rog. Sun.	affirm, that the Scripture,	2		16		44
[illegible]	[illegible]	Boniface	laying aſide that Reſpect, in	3		14		46
[illegible]	[illegible]	Sophia	ſpeaking but occaſionally of	4		12		48
[illegible]	[illegible]	Peregrin	the Earth, of the Water, of	5		10		50
[illegible]	[illegible]	Aſ. Dom.	the Sun, or of any other Crea-	6		9		51
[illegible]	[illegible]	Venant.	ture, hath choſen to confine	7		8		52
[illegible]	[illegible]	Potentia	itſelf with all rigour, within	8		6		54
[illegible]	[illegible]	Exaudi	the bare and narrow literal	9		5		55
[illegible]	[illegible]	Helena	ſenſe of the Words; And	10		3		57
[illegible]	[illegible]	Hoſpitius	eſpecially in mentioning of	11		2		58
[illegible]	[illegible]	Deſiderius	thoſe Creatures, things not	12	4	1	7	59
[illegible]	[illegible]	Eſther	at all concerning the pri-	13	4	0	8	[illegible]
[illegible]	[illegible]	Urban	mary Inſtitution of the ſame	14	3	59	8	1
[illegible]	[illegible]	Quadrat	ſacred Volume, to wit, the	15		58	8	2
[illegible]	[illegible]	Pentecoſt	Service of God, and the Sal-	16		57		3
[illegible]	[illegible]	German	vation of Souls, and in things	17		56		4
[illegible]	[illegible]	Maximin.	infinitely beyond the appre-	18		54		6
[illegible]	[illegible]	Wigand	henſion of the Vulgar. This	19		53		7
[illegible]	[illegible]	Petronil.	therefore being granted, me-	20		52		8
[illegible]	[illegible]	Pamphil.	thinks, that in the Diſcuſſion	21		51		9
[illegible]	[illegible]	Marcel.	of Natural Problems, we	22	3	50	8	10
[illegible]	[illegible]	Trin. Sun.	ought not to begin at the	23		49		11
[illegible]	[illegible]	Petroch.	Authority of Places of Scri-	24		48		12
5	b	Boniface	pture, but at ſenſible Experi-	25		47		13
6	c	Artemius	ments and neceſſary Demon-	26		46		14
7	d	Corp. Chr.	ſtrations; not but that we	27		45		15
8	e	Medardus	ought to have an extraor-	28		45		15
9	f	Barnim.	dinary eſteem for the places	29		44		16
10	[illegible]	1 Sun. p. Tri.	in ſacred Scripture.	30	3	44	8	16
11	a	St. Barnab.	B Nay,	31		43		17

June hath XXX Days.

● New Moon the 3d Day a little before Noon.
☽ First Quarter 11th Day at 2 in the Afternoon.
○ Full Moon the 18th Day at 1 in the Morning.
☾ Last Quarter the 24th Day at 11 at Night.

1	e	☽ n. Pleiades	taur.	29	✱	59
2	f	☽ n. Alhalot	gem.	11	1	1
3	g	☽ n. Dex. H. Au.	gem.	23	New	●
4	A	☽ n. Luc. Ped. II	canc.	5	9 A	15
5	b	☽ n. Cast. & Pol.	canc.	17	10	07
6	c	Sun. p. Trin.	canc.	29	10	45
7	d	☽ n. Au. in C. ♌	leo	11	11	45
8	e	☽ n. Cor. Leonis	leo	23	11	41
9	f	☽ n. Luc. in T. ♌	virgo	6	2	6
10	g	☽ n. Cand. Leo.	virgo	18	0 ✱	6
11	A	St. Barnabas	libra	1	0	25
12	b	Sol in Cancer	libra	15	0	44
13	c	Sun. p. Trin.	libra	25	1	02
14	d	♄. ♈. 2. 11 20.	scorp.	13	1	25
15	e	♃. ♉. 12. 46.	scorp.	28	1	47
16	f	Term Ends.	sagit.	13	2	21
17	g	♂. ♋. 15. 25.	sagit.	28	2	55
18	A	♀. ♌. 13. 29.	capric.		Full	○
19	b	♌. 3. 00.	capric.	27	9 A	57
20	c	Sun. p. Trin.	aquar.	13	10	30
21	d	☽ n. Dex. H. ♒	aquar.	27	11	03
22	e	☽ n. Marchab.	pisces	12	11	22
23	f	☽ n. Bor. Can. C.	pisces	24	11	41
24	g	St. J. Baptist	aries	7	11	58
25	A	☽ n. prim. ✱ A.	aries	20	12	15
26	b	☽ n. l. ✱ in C. ♈	taur.	2	0 ✱	35
27	c	Sun. p. Trin.	taur.	14	0	52
28	d	☽ n. Pleiades	taur.	26	[illegible]	50
29	e	St. Pet. & Paul	gem.	8	[illegible]	14
30	f	☽ n. Cast. & Pol.	gem.	20	1	37

Windy We
with some sho
☌ ♀ at the be-
ginning, then
fair and hot □
weather for
Days, and con
without much
teration, ex-
♃ cept near
then some
Gales of Wind
about □ ♃
Full Moon,
is expected
duce some
weather, th
weather for
Days. But abo
24day some sh
△ ♄ ♀ are
fected. Then
♃ ☉ weathe
the most part
end of the Mo

Saturn at the beginning riſes between 1 *and* 2 *in the Morning, at the end he riſes before Midnight: Jupiter riſes about half an hour after him. Mars and Mercury are near together, and follows the Sun, and ſet a little after him. Venus ſets about* 10 *at Night.*

Nay, being come to a certainty in any natural Concluſions, we ought to make uſe of them as moſt appoſite Helps to the true Expoſition of the ſame Scriptures, and to the Inveſtigation of thoſe ſenſes which are neceſſarily contained in them, as moſt true, and concordant with the Truths demonſtrated. This makes me ſuppoſe that the Authority of the ſacred Volumes was intended principally, to perſwade Men to the belief of thoſe Articles and Propoſitions, which by reaſon they ſurpaſs all humane Diſcourſe, could not by any other Science, or by any other means be made credible, than by the Mouth of the Holy Spirit itſelf. But that God, who hath endued us with Senſes, Diſcourſe & Underſtandings; hath intended, laying aſide the uſe of thoſe, to give the Knowledge of thoſe things by

Rom. Saints Days					
Baſilides.	1	3	43	8	17
Cyrillus.	2		43	8	17
Valerius	3		43		17
Vitus, &c.	4		42		18
Eulandus.	5		42		[illegible]
3 S. p. Trin.	6		42		[illegible]
Mart. &c.	7		42		18
Gervaſe.	8		41		19
Regina.	9		41		19
Walburg.	10		41		19
Alban.	11	3	41	8	19
Baſilius	12		41		19
St. J. Bapt.	13		41		19
Amandus.	14		41		19
Jeremias.	15		42		18
7 Dorm.	16		42		18
Leo Papa	17		42		18
St. Peter	18		42		18
Lucina.	19		43		17
4 S. p. Trin.	20	3	43	8	17
Viſit. V. M.	21		44		16
Cornelius	22		44		16
Ulricus	23		45		15
Anſelm.	24		45		15
Tranquil.	25	3	46	8	14
Th. Becket	26		47		13
5 S. p. Trin.	27		48		12
Cyrillus	28		49		11
7 Fratres	29		50		10
Benedict.	30	3	51		9

July hath XXXI Days.

● New Moon the 3d day at 2 in the Morning.
☽ First Quarter the 10th day at 5 in the Afternoon.
○ Full Moon the 17th day at 9 in the Morning.
☾ Last Quarter the 24th day at 10 in the Morning.

1	g	☽ n. Syrius	canc.	2	2	18	
2	a	☽ Cast. & Pol.	canc.	14	2	9	
3	b	☽ n. Aselles	canc.	26	New	●	
4	C	6 Sun. p. Trin.	leo	8	9 △ ♃	♀	
5	d	☽ n. Cor. Leo	leo	20	9 H	44	Moons Southing
6	e	☽ n. Lu. in T. 56	virgo	3	10	09	
7	f	☽ n. Au. in C. ♌	virgo	15	10	47	
8	g	☽ n. Vindem.	virgo	28	10	49	
9	a	☽ n. Spica Vir.	libra	[illegible]	11	3	
10	b	♄ ∨ . 20 . 56.	libra	24	11	25	
11	C	7 Sun. p. Trin.	scorp.	9	1	47	
12	d	Sol in leo	scorp.	23	[illegible]	8	
13	e	♀ ♉ . 17 . 24.	sagit.	7	0 Mo	8	
14	f	♂ ♌ 10 . 3	sagit.	20	d	48	
15	g	Swithin	capric.	7	[illegible]	8	
16	a	♀ ♍ . 17 . 43.	capric.	22	[illegible]	59	
17	b	♃ ♋ . 29 . 3 R.	aquar.	6	full	●	
18	C	8 Sun. p. Trin.	aquar.	21	8 A	57	Moons rising
19	d	☽ n. Dex. [illegible]	pisces	5	9	21	
20	e	☽ n. Marchab	pisces	19	9	45	
21	f	☽ n. Algenib.	aries	2	10	[illegible]	
22	g	☽ n. Vent. Cet.	aries	16	10	18	
23	a	☽ n. pr. ✱ Ariet.	aries	28	10	35	
24	b	☽ n. Menkar	taur.	10	10	52	
25	C	St. James	taur.	22	11	[illegible]	
26	d	☽ n. Aldeboran.	gem.	4	11	37	
27	e	☽ n. Alhaiot	gem.	16	[illegible]	[illegible]	
28	f	☽ n. Luc. P. ♊	gem.	28	0 M	[illegible]	
29	g	☽ n. Syrius	canc.	10	[illegible]	47	
30	a	☽ n. Cast. & Pol.	canc.	22	[illegible]	19	
31	b	☽ n. Asellos	leo	4	2	3	

Some indeed
expected at the
ginning with
☉ brisk W
then hot
weather for
days, with
showers about
11th or 12th D
with Winds fol
ing.
about the Full M
we may expect T
der and stormy
ers △ ♃ ♀ A
wards an in
of heat is expe
and continues
& for the most
fair, except
the 28th or
☿ 29th days
which may
bably produce
showers of Rain

July, 1703.

Saturn at the beginning riſes between [illegible] *and* 1[illegible] *at Night, at the end riſes before* [illegible]. *Jupiter riſes about half an hour after* Saturn: *Mars is hid under the Sun Beams.* Venus *ſets between* 9 *and* 10 *at Night.* Mercury *goes to Combuſtion, but at the end riſes before the Sun.*

Forein Account	Rom. Kalendar	Remarkable days					
[illegible]	[illegible]	Anacletus	1	[illegible]	[illegible]	8	[illegible]
13	△	Henricus	2		53		6
[illegible]	[illegible]	Bonavent.	3		54		6
[illegible]	[illegible]	5 S.p.Trin.	4		[illegible]		5
[illegible]	[illegible]	Kenelm	5		[illegible]		[illegible]
[illegible]	[illegible]	Hilarius	6		[illegible]		[illegible]
[illegible]	[illegible]	Alexius	7	3	59	8	1
[illegible]	[illegible]	Maternus	[illegible]	[illegible]	[illegible]	[illegible]	0
[illegible]	[illegible]	Margaret	9	[illegible]	[illegible]	7	[illegible]
[illegible]	[illegible]	Praxeda	10		[illegible]		[illegible]
[illegible]	[illegible]	6 S.p.Trin.	11		[illegible]		[illegible]
[illegible]	a	Apollon	12		[illegible]		[illegible]
[illegible]	b	Christina	13		[illegible]		[illegible]
[illegible]	c	St. James	14		[illegible]		[illegible]
[illegible]	d	Anna	15		10		[illegible]
[illegible]	[illegible]	Martha	16	4	13	7	[illegible]
[illegible]	[illegible]	[illegible]	17		12		48
[illegible]	[illegible]	7 S.p.Trin.	18		[illegible]		46
[illegible]	a	Abdon	19		16		[illegible]
[illegible]	b	German	20		17		[illegible]
[illegible]	[illegible]	Lammas	21		19		[illegible]
[illegible]	d	Moses	[illegible]		20		40
[illegible]	e	Dominic	23		22		38
[illegible]	f	Ariſtarch.	[illegible]		[illegible]		36
[illegible]	[illegible]	8 S.p.Trin.	[illegible]	4	25	[illegible]	[illegible]
6	a	Sixtus	26		[illegible]		[illegible]
7	b	Cyriacus	[illegible]		[illegible]		[illegible]
8	c	Romanus	28		31		29
9	d	Theodoſius	[illegible]		33		27
10	e	Lawrence	30		36		25
11	f	Tiburtius	31	4	37		[illegible]

other means, which we may attain by theſe, ſo as, that even in thoſe natural Concluſions, which either by ſenſible Experiments, or neceſſary Demonſtrations are ſet before our Eyes, or our Underſtanding, we ought to deny Senſe and Reaſon, I do not conceive that I am bound to believe it, & eſpecially in thoſe Sciences, of which but a ſmall part is to be found in the Scripture, ſuch as for inſtance, is that of Aſtronomy, of which there is ſo ſmall a part in Holy Writ, that it doth not ſo much as name any of the Planets, except the Sun and Moon, and once or twice only *Venus* by the name of *Lucifer*. For if the Holy Writers had had any intention to perſwade People to believe the Diſpoſitions & Motions of the Celeſtial Bodies, and that conſequently we are ſtill to derive that Knowledge from the ſacred Books, they would

August hath XXXI Days.

● New Moon the 1ſt day at 4 in the Afternoon.
☽ First Quarter the 8th day a little before Midnight.
● Full Moon the 15th day at 5 in the Afternoon.
☾ Laſt Quarter the 23d day at 7 in the Morning.
● New Moon the 31ſt day at 6 in the Morning.

1	C	10 Sun. p. Tr.	leo	17	New	●	
2	d	☽ n. Cor. Leo.	leo	29	8 A	14	
3	e	☽ n. Caud. Leo.	virgo	12	8	34	
4	f	☽ n. Auſt. Af. ♍	virgo	25	8	54	Moons ſetting.
5	g	☽ n. Vindem.	libra	8	9	13	
6	a	☽ n. Spica Vir.	libra	22	9	32	
7	b	☽ n. Laux. Auſt.	ſcorp.	5	9	50	
8	C	11 Sun. p. Trin.	ſcorp.	19	10	13	
9	d	☽ n. Cor. Scor.	ſagit.	3	10 ●	47	
10	e	St. Lauren.	ſagit.	18	11	21	
11	f	☽ n. Sin. Man. ♐	capric.	2	12	20	
12	g	☽ n. ult. in C. ♐	capric.	16	0 M	20	
13	a		aquar.	1	1	26	
14	b	Sol in Virgo ☽ n. Sin. Hu. ♒	aquar.	15	2	38	
15	c	12 Sun. p. Trin.	aquar.	29	Full	●	
16	d	☽ n. Manhab.	piſces	14	7 A	49	
17	e	♄ ♈ 22. 14. R	piſces	27	8	7	Moons riſing.
18	f	♃ ♉ 20. 42.	aries	11	8	25	
19	g	♂ ♍ 3. 31.	aries	24	8	43	
20	a	♀ ♎ 25. 23.	taur.	6	9	6	
21	b	☿ ♍ 3. 12.	taur.	18	9	28	
22	C	13 Sun. p. Trin.	gem.	0	9	51	
23	d	☽ n. Amarot	gem.	12	10	19	
24	e	St. Bartholom.	gem.	24	10	47	
25	f	☽ n. Luc. P. H	canc.	6	11	38	
26	g	☽ n. Pollux	canc.	18	12	29	
27	a	☽ n. Aſellos	leo	0	0 M	29	
28	b	☽ n. Au. in C. ♌	leo	12	1	39	
29	C	14 Sun. p. Trin.	leo	25	2	49	
30	d	☽ n. Lu. in T. ♌	virgo	8	4	01	
31	e	☽ n. Caud. Leo.	virgo	21	New	●	

Lammas da
□ ♃ ☉ △ ♄
hot at the be
ning, but about
6th day ſho
weather is ex
cted, and alſo ſ
ſhowers abou
10th ✱ ♀ ☿
☌ ☉ ♂ with br
Winds, then
for □ ♃ ☿ fo
△ ♄ ☿ days,
about this, t
driſling ☍ ♄
Rain is expect
with miſty Mo
ings, then
and ☌ ♂ ♀
for ſeveral da
but about the
day ſome ☌ ☉
ſhowers are ex
cted, and towa
the end cool win
and driſling Ra

Rom. Kalendar.	Rom. Saints days	*Saturn at the beginning riseth between 9 and 10 at Night, at the end he rises before 8, and in South a little after [illegible] in the Morning; Jupiter Rises [illegible] an hour after Saturn; Mars goeth to Combustion; Venus Sets between 8 and 9 at Night; Mercury at the beginning rises before the Sun, at the end he is Combust.*				
[illegible]	G 10 S.p.T	would not in my Opinion	14	36	7	[illegible]
[illegible]	Amatus	have spoken so little thereof,	18	[illegible]		[illegible]
[illegible]	Eusebius	that it is as much as nothing	19	[illegible]		8
[illegible]	Assu. V.M.	in comparison of the infinite	[illegible]	44		16
[illegible]	Rochus	admirable Conclusions,	[illegible]	46		[illegible]
[illegible]	Agapit.	which in that Science are	16	48		[illegible]
[illegible]	Helena	comprized & demonstrated.	[illegible]	50		10
[illegible]	G 11 S.p.T	Nay, that the Authors of the	18	52		8
[illegible]	[illegible]	Holy Volumes did not only	[illegible]	54		6
[illegible]	Privatus	not pretend to teach us the	10	56		[illegible]
[illegible]	Symphron	Constitutions & Motions of	[illegible]	[illegible]	7	[illegible]
[illegible]	[illegible]	the Heavens & Stars, their	[illegible]	60		[illegible]
[illegible]	S. Barthol.	Figures, Magnitudes and	13	[illegible]	6	[illegible]
[illegible]	Ludovicus	Distances, but that inten-	[illegible]	[illegible]		[illegible]
[illegible]	G 12 S.p.T	tionally (albeit that all these	[illegible]	[illegible]		[illegible]
[illegible]	Cos. & Da.	things were very well known	[illegible]	[illegible]		[illegible]
[illegible]	Augustin.	unto them) they forbore to	[illegible]	[illegible]		[illegible]
[illegible]	Decol. J.B.	speak of them, is the Opi-	[illegible]	10		[illegible]
[illegible]	Felix	nion of the most holy and	[illegible]	12		[illegible]
[illegible]	Paulinus	learned Fathers; from which	[illegible]	[illegible]	6	46
[illegible]	Ægidius	it followeth that the Holy	[illegible]	[illegible]		44
[illegible]	G 13 S.p.T	Ghost not having intended	[illegible]	18		42
[illegible]	[illegible]	to teach us whether Heaven	[illegible]	20		40
[illegible]	[illegible]	moveth or standeth still; nor	[illegible]	22		[illegible]
[illegible]	[illegible]	whether its Figure be in	[illegible]	[illegible]		[illegible]
[illegible]	Magnus	Form of a Sphere or of a Dis-	26	26		[illegible]
7 e	Regina	cus or distended in Planum:	[illegible]	[illegible]		[illegible]
8 f	Nat. V. M.	Nor whether the Earth be	[illegible]	[illegible]		[illegible]
9	G 14 S.p.T	contained in the Center of it,	[illegible]	[illegible]		[illegible]
10 a	Hilar. P.	or on one side, he hath not	[illegible]	[illegible]		26
11 b	Felix	such	31	36		24

B 4

September hath XXX Days.

☽ First Quarter the 7th day at [illegible] in the morning.
● Full Moon the 14th day at 4 in the Morning.
☾ Last Quarter the 22d day at 2 in the Morning.
● New Moon the 29th day at 6 at Night.

1	f	☽ n. Vindem.	libra	4	7 A 25		Misty and
2	g	☽ n. Spica Virg.	libra	18	[illegible]		fling Rain △
3	a	☽ n. Laux Aust.	scorp.	[illegible]	8		☿ at the begi
4	b	☽ n. Laux Bor.	scorp.	16	8	Moons setting	ning, follo
5	ℭ	15 Sun. p. Trin.	sagit.	0	8		with brisk
6	d	♄ ✶ ♀ [illegible] R	sagit.	14	9		also some
7	e	♃ ☌ [illegible] R	sagit.	28	[illegible]		winds with dri
8	f	☿ ♍ [illegible]	capric.	[illegible]	[illegible]		Rain about the
9	g	♀ . [illegible]	capric.	26	4 [illegible] 3		or 9th days, f
10	a	♀ ♎ [illegible]	aquar.	10	M		lowed with
11	b	☽ n. Dex. H. [illegible]	aquar.	22	[illegible]		winds and
12	ℭ	16 Sun. p. Trin.	pisces	8	10		lent weather △
13	d	Sol in Libra	pisces	22	4		☍ but after
14	e	☽ n. Algenib.	aries	[illegible]	Full ●		Full Moon,
15	f	Ember Week	aries	19	6 A [illegible]		calm wea- ☍
16	g	☽ n. pl. [illegible] Ar.	taur.	[illegible]	[illegible] 6		ther is expe
17	a	☽ n. Caud. Ar.	taur.	14	7 [illegible] 5		with ☌ [illegible] ♀
18	b	☽ n. Pleiades	tauri	27	[illegible]		gy Mornings,
19	ℭ	17 Sun. p. Trin.	gemi.	9	8 [illegible] 26	Moons rising	'tis hoped
20	d	☽ n. Aldebar.	gemi.	20	[illegible]		continue mild
21	e	St. Matthew	canc.	[illegible]	[illegible]		temperate till
22	f	☽ n. Cast. & P.	canc.	[illegible]	[illegible]		wards the end
23	g	☽ n. Procyon	canc.	[illegible]	[illegible]		the Month,
24	a	☽ n. Asellus	leo	[illegible]	[illegible]		produce
25	b	☽ n. Cor. Leo.	leo	22	10 M		winds, and
26	ℭ	18 Sun. p. Trin.	virgo	[illegible]	4		some drilling
27	d	☽ n. Caud. Leo.	virgo	14	[illegible]		
28	e	☽ n. Vindem.	virgo	29	9		
29	f	St. Michael	libra	11	●		
30	g	☽ n. Spica Virg.	libra	21	A 8		

September, 1703.

Rom. Saintsdays. Rom. Kalendar. Forein Account

Saturn *at the beginning is South, about 2 in the Morning, at the end he is South a little after Midnight;* Jupiter *riseth about an hour after* Saturn, *and is South 4 hours after him.* Mars *towards the end emerging from the Sun beams, riſing before him.* Venus *ſets about 7 at Night.* Mercury *riſeth*, &c.

Gileo
[illegible]
Exal. Cru.
Nicomede.
15 S.p.Tr.
Lampr.
Ferreolus
Januarius
Fauſta
St. Matth.
Maurice
16 S.p.Tr.
Rupert
Cleophas
Cyprian
Coſ. & Da.
Wenceſl.
St. Michael
17 S.p.Tr.
Remigius.
Leodegar
Maximin.
Francis
Conſtant.
Fides
18 S.p.Tr.
Pelagia
Dyoniſius
Burchard
Gideon

much leſs had an intention to aſſure us of other Concluſions of the ſame kind, as the determining of the Motion or reſt of the ſaid Earth, and of the Sun.

And in St. *Auguſtine* we read, *Epiſt.* 7. *ad Marcellinum*: If any one ſhall object the Authority of Sacred Writ, againſt clear and manifeſt Reaſon, he that doth ſo, knows not what he undertakes: For he objects againſt the Truth, not the Senſe of the Scripture, (which is beyond his Comprehenſion) but rather his own; not what is in it, but what finding it in himſelf, he fancied to be in it. This granted, and it being true, (as hath been ſaid) that two Truths cannot be contrary to each other, it is the Office of a Judicious Expoſitor to ſtudy to find the true ſenſe of Sacred Texts, which undoubtedly ſhall accord with thoſe Natural

October hath XXXI Days.

☽ Firſt Quarter the 6th day at 2 in the Afternoon.
● Full Moon the 13th day half an hour after [illegible] at Ni
☾ Laſt Quarter the 21ſt day at 10 at Night.
● New Moon the 29th day at 5 in the Morning.

1	a	☽ n. Luc. Auſt.	ſcorp.	12	5	A	41
2	b	☽ n. Cor. Scor.	ſcorp.	26	7		16
3	C	19 Sun. p. Trin.	ſagit.	9	7		[illegible]
4	d	☽ n. Sin. M. ♐	ſagit.	22	8		48
5	e	☽ n. Ult. ♍ C ♑	capric.	9	9		[illegible]
6	f	☽ n. Luc. Vult.	capric.	23	10		45
7	g	♄. ♈. 18. 48. R	aquar.	7	11		42
8	a	♃. ♉. 18. 30. R	aquar.	21	12		58
9	b	♂. ♎. 6. 14.	piſces	4	0	M	58
10	C	20 Sun. p. Trin.	piſces	18	2		22
11	d	♀. ♐. 0. 6.	aries	1	3		57
12	e	☿. ♏. 25. 15.	aries	14	4		53
13	f	Sol in Scorpio	aries	27	Full		●
14	g	☽ n. Menker	taur.	10	5	A	43
15	a	☽ n. Pleiades	taur.	22	6		[illegible]
16	b	☽ n. Aldebar.	gem.	4	6		28
17	C	21 Sun. p. Trin.	gem.	16	7		02
18	d	St. Luke	gem.	28	7		36
19	e	☽ n. Syrius	canc.	10	8		26
20	f	☽ n. Pollux	canc.	22	9		17
21	g	☽ n. Aſellus	leo		10		23
22	a	☽ n. Au. in C. ♌	leo	16	11		28
23	b	Term Begins	leo	28	12		43
24	C	22 Sun. p. Trin.	virgo	11	0	M	48
25	d	☽ n. Au. Al. ♍	virgo	24	1		58
26	e	☽ n. Vindem.	libra	7	3		16
27	f	☽ n. Spica Vir.	libra	20	4		31
28	g	St. Sim. & Jude	ſcorp.	[illegible]	6		[illegible]
29	a	☽ n. Sup. in ♏	ſcorp.	20	New		●
30	b	☽ n. Cor. Scor.	ſagit.	5	5	A	59
31	C	23 Sun. p. Trin.	ſagit.	20	6		14

Moons ſetting

Moons riſing

Wind and c
♂ … ☉ driſli
Rain at the beg
ning is expe
and about the
♂ ♃ ☿ or
days, high wi
and moiſt Air
terwards more m
derate, but abo
the Full Mo
plenty of Show
followed with
winds, and co
tinues rough
ſome days.
about this ti
of ♀ ♃ ☿ mo
temperate w
is expected, th
ful Criſpin lo
♂ ♄ ♂ cold fro
Mornings, and
♃ ☉ about
New Moon wi
♂ ♀ ☿ a
Storms, and pr
bably ſome Sno

October. 1698.

Saturn at the beginning is South at Midnight, at the end he is South about 10 at Night. Jupiter at the end is South at Midnight. Mars towards the end riſeth a little before Day Break. Venus ſets after the Sun, and at the end he is hid under his Beams. Mercury is alſo hid under the Sun Beams.

Forein Account.	Rom. Kalendar.	Rom. Saints days.						
12	e	Colman	Concluſions, of which mani-	1	6	38	5	22
13	f	Telemach.	feſt Senſe and neceſſary	2		40		20
14	G	19 S.p.Tr.	Demonſtrations, had before	3		42		18
15	a	Hedwig	made us ſure and certain	4		44		16
16	b	Gallus	Yea, in regard that the Scri-	5		46		14
17	c	Florent	ptures, for the Reaſons al-	6		48		12
18	d	St. Luke	ledged, admit in many places	7	6	50	5	10
19	e	Ptolomey	expoſitions far from the ſenſe	8		52		8
20	f	Wendelin	of the Words; & moreover	9		54		6
21	G	20 S.p.Tr.	we not being able to affirm,	10		56		4
22	a	Cordula	that all Interpreters ſpeak	11		58		2
23	b	Roman	by Divine Inſpiration, for	12	7	0	5	0
24	c	Salome	then there would be no dif-	13	7	2	4	58
25	d	Criſpin	ference between them about	14		4		56
26	e	Amandus	the Senſe of the ſame places;	15		6		54
27	f	Urſula	I ſhould think that it would	16		8		52
28	G	St. Simon & Jude	be an Act of great Prudence	17		10		50
29	a	Narciſſus	to make it unlawful for any	18		12		48
30	b	Thecroſs	to uſurp Texts of Scripture,	19		14		46
31	c	Wolfang	and as it were to force them	20	7	16	4	44
Nov.	d	All Saints	to maintain this or that	21		18		42
2	e	All Souls	Natural Concluſion for	22		20		40
3	f	Theophil.	Truth; of which Senſe and	23		22		38
4	G	22 S.p.Tr.	demonſtrative and neceſſary	24		24		36
5	a	Lætus	Reaſons, may one time or	25		26		34
6	b	Leonard	other aſſure us the contrary.	26	7	28	4	32
7	c	Florent	For who will preſcribe	27		30		30
8	d	Severus	bounds to the Wits of Men?	28		32		28
9	e	Theodore	Who will aſſert that all that	29		34		26
10	f	Martin P.	is ſenſible or knowable in	30		36		24
11	G	23 S.p.Tr.	the World is already diſ-	31	7	38		22

November hath [illegible] Days.

☽ First Quater the 5th day at 9 at Night.
● Full Moon the 12 day half an hour after 11 in the M
☾ Last Quarter the 20th day at 2 in the Afternoon.
● New Moon the 27th day at 4 in the Afternoon.

1	d	All Saints	capric.	5	7 A	13	
2	e	All Souls	capric.	19	[illegible]	12	
3	f	☽ n. Lu. in M. ♒	aquar.	4	9	29	Moons setting
4	g	☽ n. Sin. Pu. ♒	aquar.	17	10	40	
5	A	Gun. Pow. Plot	pisces	1	11	6	
6	b	☽ n. Marchab	pisces	15	0 M	8	
7	C	24 Sun. p. Trin.	pisces	28	1	23	
8	d	♄. ♈. 16. 33. R	aries	11	2	47	
9	e	♃. ♉ 4. 22. R	aries	24	3	57	
10	f	♂. ♎. 27. f.	taur.	6	5	8	
11	g	♀ ♏. 18. 37. R	taur.	19	6	21	
12	A	Sol in Sagit.	gem.	1	Full	●	
13	b	☿. ♏. 13. D.	gem.	13	4 A	55	Moons rising
14	C	25 Sun. p. Trin.	gem.	25	5	34	
15	d	☽ n. Syrius	canc.	7	6	13	
16	e	☽ n. Cast. & Pol.	canc.	19	7	8	
17	f	St. Hugh	leo	[illegible]	8	4	
18	g	☽ n. Lu. in C. ♌	leo	12	9	12	
19	A	☽ n. Cor Leo.	leo	24	10	20	
20	b	☽ n. Lu. in T. ♌	virgo	7	11	32	
21	C	26 Sun. p. Trin.	virgo	19	12	45	
22	d	☽ n. Vindem.	libra	2	0 M	43	
23	e	☽ n. Spica Vir.	libra	16	2	1	
24	f	☽ n. Laux Au.	libra	29	3	17	☽ setting
25	g	☽ n. Laux Bor.	scorp.	14	4	42	
26	A	☽ n. Cor. Scor.	scorp.	28	6	11	
27	b	☽ n. Sin. M. ♐	sagit.	14	New	●	
28	C	Advent Sun.	sagit.	29	4 A	4	
29	d	[illegible]	capric.	14	5	50	
30	e	St. Andrew	capric.	29	7	00	

Frosty Air
Storms of col
☉ ♄ Rain
♀ ☌ Snow,
expected to c
tinue Rough
♂ ♃ ☉ Turbul
but about
time more tem
rate weather
expected
frosty Air,
may proba
continue ♂
♀ till about
20th day,
foggy Air w
moisture follo
with high wi
and rough w
ther, but towa
the end, more ca
is expected w
Mists and
frosts.

November, 1703.

Saturn at the beginning is South about 10 *at Night, at the end he is South about* 8, *and ſets between* 2 *and* 3 *in the Morning.* Jupiter *is South almoſt* 2 *hours after* Saturn, Mars *riſeth about* 5 *in the Morning,* Venus *and* Mercury *at the beginning are Combuſt, towards the end they riſe beſore the Sun.*

Roman Account.	Rom. Kalendar.	Rom. Saints days					
[illegible]	a	Ludovic.	1	7	39	4	21
13	b	Aſcanius	2		41		19
14	c	Frederick	3		43		17
15	d	Leopold	4		45		15
16	e	Othmarus	5		46		14
17	f	Hugo	6		48		12
[illegible]	G	24 Sun. Tr.	7		49		11
19	a	Elizabeth	8		51		9
20	b	Eugenius	9		52		8
21	c	Oblat. V.M	10	7	54	4	6
22	d	Cœcilia	11		55		5
23	e	Clement	12		57		3
24	f	Chryſogon	13		58		2
25	G	25 Sun. Tr.	14	8	00	4	0
26	a	Conradus	15	8	1	3	59
27	b	Guntherus	16		3		57
28	c	Ruffus	17		4		56
29	d	Saturn	18		6		54
30	e	St. Andrew	19		7		53
Dec.		Eligius	20	8	8	3	52
2	G	Advent	21		9		51
3	a	Caſſian	22		10		50
4	b	Barbara	23		11		49
5	c	Sabina	24		12		4[illegible]
[illegible]	d	Nicholas	25	8	13	3	4[illegible]
7	e	Agath. M.	26		14		4[illegible]
8	f	Con. V.M.	27		15		4[illegible]
9	G	2 Advent	28		15		45
10	a	Elaria	29		16		4[illegible]
11	b	Damaſus	30	8	16	3	4[illegible]

vered and known. With due ... ey that in other more diffe- ... rer with us, Confeſſing this, that *ea quæ ſcimus, ſint minima pars eorum quæ ignoramus;* That thoſe Truths that we know, are very few in compariſon of thoſe which we know not; nay more, we have it from the Mouth of the Holy Ghoſt, *Eccleſ.* 3. v. 11. That, *Deus tradidit Mundum diſputationi eorum, ut non inveniat homo opus, quod operatus eſt Deus, ab initio ad finem.* God hath ſet the World in their Heart, ſo that no Man can find out the Work that God maketh from the beginning to the end; One ought not, as I conceive, to ſtop the way to free Philoſophizing, touching the things of the World and of Nature, as if they were already certainly found, & all manifeſt: Nor ought it to be accounted raſhneſs, if one do not ſit down ſatisfied with the Opinions now become as it were common. Nor ought any Perſons to be diſpleaſed, if others do not hold, in natural Diſputes to that Opinion which beſt pleaſeth them; and eſpecially touching Problems that have for Thouſands of Years been controverted amongſt the greateſt Philoſophers, as is the Stability of the Sun, and Mobility of the Earth

December hath XXXI Days.

☽ Firſt Quarter the 4th day at 8 in the Morning.
● Full Moon the 12th day half an hour aft. 6 in the Mo
☾ Laſt Quarter the 20th day at 8 in the Morning.
● New Moon the 27th day at 2 in the Morning.

1	f	☽ n. Sin. Hu. ♒	aquar. 13	8	A 22	
2	g	☽ n. Dex. Hu.	aquar. 28	9	44	
3	a	☽ n. Marchab	piſces 12	11	3	
4	b	☽ n. Caud. Ce.	piſces 25	12	20	Moons ſetting
5	C	2 Sun. in Adv.	aries 8	☉	M 22	
6	d	☽ n. pr. ✶ Ar.	aries 21	1	6	
7	e	☽ n. Lu. in C. ♈	taur. 3	2	49	
8	f	☽ n. Manker	taur. 15	4	00	
9	g	☽ n. Pleiades	taur. 28	5	9	
10	a	☽ n. Aldebar.	gem. 10	6	16	
11	b	Sol in Capric.	gem. 22	7	23	
12	C	3 Sun. in Adv.	canc. 4	Full	●	
13	d	☽ n. Caſt. & P.	canc. 15	4	A 40	Moons riſing
14	e	☽ n. Aſellos	canc. 27	5	43	
15	f	Ember Week.	leo [illegible]	6	47	
16	g	☽ n. Cor. Leon.	leo 21	7	57	
17	a	♄ ♈. 15. 56. R.	virgo 3	9	8	
18	b	♃. ♉. 11. 5. R.	virgo 16	10	19	
19	C	4 Sun. in Adv.	virgo 28	11	30	
20	d	♂. ♏. 23. 31.	libra 11	12	47	
21	e	St. Thomas	libra 24	☉	M. 57	
22	f	♀. ♏. 26. 48.	ſcorp. 8	2	4	
23	g	♀. ♑. 5. 34.	ſcorp. 22	3	27	
24	a	☽ n. Cor. Scor.	ſagit. 7	4	49	
25	b	Nativ. Chriſt.	ſagit. 22	6	12	
26	C	St. Stephen	capric. 7	7	35	☽ ſetting
27	d	St. John	capric. 22	New	●	
28		Innocents	aquar. 7	5	A 58	
29	f	☽ n. Dex. H. ♒	aquar. 22	7	4	
30	g	☽ n. Dex. H. ♒	piſces 7	8	30	
31		☽ n. Marchab	piſces 21	9		

High Winds
♃ ♂ with
or, cold Rain,
the beginning th
follows cloud
cloſe and fogg
weather, and con
tinues moder
for the △ ♄
ſeaſon, but af
the Full Moon
Froſt is expec
to increaſe, and
followed with wi
and ſnow, & righ
winterly weathe
and is expected
△ ♃ ☉ contin
ſharp and froſt
till towards the
end, then the fro
□ ♄ ☉ △ ♃
may probabl
break with wind
and alſo Rain.

December, 1703.

♄ Saturn South between 6 and 7 at Night, and ſets about 3 in the Morning. Jupiter at the beginning South about 9 at Night, and ſets between 4 and 5 in the Morning. Mars riſeth between 4 and 5 in the Morning, Venus riſeth at the ſame time. Mercury riſeth before the Sun.

earth, an Opinion held by Pythagoras, and by his whole Sect, Heraclidis Ponticus, who was of the ſame Opinion, by Phylolaus, the Maſter of Plato, and by Plato himſelf, as Ariſtotle reſolveth, and of which Plutarch writeth in the Life of Numa, that the ſaid Plato, when he was grown old, ſaid, it is a moſt abſurd thing to think otherwiſe: The ſame was believed by Ariſtarchus Samius, as we have it in Archimedes, and probably by Archimedes himſelf, by Nicetas the Philoſopher upon the Teſtimony of Cicero, and by many others; and this Opinion hath finally been amplified, with many Obſervations and Demonſtrations confirmed by Nicholaus Copernicus. And Seneca a moſt eminent Philoſopher, in his Book de Cometis, advertiſeth us, that we ought with great Diligence to ſeek for an aſſured Knowledge, whether it be the Heavens or the Earth in which the Diurnal Converſion reſides, &c.

c	Valerius	1	8	17	3	43
d	Lucia V.	2		17		43
e	Nicaſius	3		17		43
f	Abraham	4		18		42
G	S. Advent	5		18		42
A	Lazarus	6		18		42
b	Rufus	7		18		42
c	Loth	8		19		41
d	Ammon	9		19		41
e	St. Thomas	10		19		41
f	30 Mart.	11	8	19	3	41
G	S. Adv.	12		19		41
A	Ignatius	13		19		41
b	Chriſtmas	14		19		41
c	St. Stephen	15		18		42
d	St. John	16		18		42
e	Innocents	17		18		42
f	Jonathan	18		17		43
G	S. p. Chr.	19		17		43
A	Silveſter	20	8	16	3	44
A	Circumſ.	21		16		44
b	Abel	22		15		45
c	Enoch	23		15		45
d	Methuſal.	24		14		46
e	Simeon	25	8	13	3	47
f	Epiphany	26		12		48
g	Julian	27		11		49
A	Erhard	28		10		50
b	Marcel.	29		9		51
c	Nicanor	30	8	8	3	52
d	Higinus	31		[illegible]		53

TABLE ſhewing how many Years purchaſe a Leaſe or Ann (to endure for any number of Years under 33) is worth ready, an Intereſt upon Intereſt, at Six in the Hundred ſhewing plainly how to diſcount any Leaſe in being, and value of the Reverſion after any number of Years.

Leaſe Years	Years.	Months.	Tenth parts.
1	0	11	0
2	1	9	9
3	2	8	1
4	3	5	9
5	4	2	5
6	4	11	1
7	5	7	0
8	6	2	7
9	6	9	9
10	7	4	3
11	7	10	7
12	8	4	6
13	8	10	8
14	9	3	6
15	9	8	5
16	10	1	[illegible]

The Uſe and Explanation of the TABLE.

The firſt Column towards the left Hand ſheweth the Years of a Leaſe or Annuity, and right againſt each Years is the Years, Months, and Tenth Parts of a Months purchaſe, that ſuch a Leaſe or Annuity is worth.

Example:

Suppoſe a Leaſe or Annuity to continue 12 Years, and you would know how many Years purchaſe it is worth in preſent Money, look in the Table for Twelve Years of a Leaſe to the left Hand and againſt the ſame you ſhall find 8, 4, 6, which ſheweth that ſuch a Leaſe is worth 8 Years, 4 Months, and 6 Tenth parts of a Months Purchaſe.

Leaſe Years	Years.
17	10
18	10
19	11
20	11
21	11
22	12
23	12
24	12
25	12
26	13
27	13
28	13
29	13
30	13
31	13
32	14

AGAIN.

If you are to take or buy the Reverſion of any Leaſe or Annuity, work thus; Suppoſe the Leaſe to be Thirty Years in you find in the Second Table the Right Hand againſt Th 13 Years, 9 Months, and 2 Tenth Parts of a Months Purcha this it were worth were it in preſent Poſſeſſion. But ſuppoſe th be a Leaſe of five Years (more or leſs) before you commen look in the Table againſt the five Years, and there yo four Years, two Months, and 5 Tenth parts of a Months purch Take this out of the Sum againſt Thirty, which is 13, 9, 2, Remainder is, 9, 6, 7, which is 9 Years, 6 Months, and 7 Te Parts of a Month; and ſo much is the Reverſion after five Y worth, the Remainder of Thirty Years

This is Uſeful and very Eaſie.

AUNDER, 1703.

The Second Part.

ntaining the Eclipſes; the Suns Quarterly
ngreſſes, the Southing of the ſeven Stars
r every 5th. day of this Year: With
irections for finding the Riſing, Southing,
nd Setting of ſeveral Fixed Stars; Alſo
ules and Tables for the meaſuring of
oard, Glaſs, Pavements, or other Superfi-
al meaſure; as alſo to Meaſure Timber;
nd other things worth Obſervation.

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haracters of the Twelve Signs, and what parts of the Body they are ſaid to govern.

ies, *Head & Face*; ♉ Taurus, *Neck & Throat*; ♊ Gemini,
& Shoulders; ♋ Cancer, *Breaſt & Stomach*; ♌ Leo,
t & Back; ♍ Virgo, *Bowels &* Belly; ♎ Libra, *Reins &*
s; ♏ Scorpio, *Secrets*; ♐ Sagittary, *Thighs*; ♑ Capri-
, Knees; ♒ Aquarius, *Legs*; ♓ Piſces, *the Feet.*

haracters of the Planets, with the Dragons Head and Tail,
Saturn, ♃ Jupiter, ♂ Mars, ☉ Sol, ♀ Venus, ☿ Mer-
y, ☽ Moon, ☊ Dragons Head, ☋ Dragons Tail.

The Aſpects.

njunction, ✱ Sextile, □ Quartile, △ Trine, ☍ Oppoſition

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ief Chronology of Memorable things, to this Year, 1703.

THe Creation of the World	5652
Noahs Flood	3996
he deſtruction of Sodom and Gomorrah	3605
he deſtruction of Troy	2885
rute entred this Iſland	2810
he Building of *London*	2810
he Building of *York*	2692
he Building of *Leiceſter*	2646

A   The

Since

The building of *Canterbury* 25
The building of *Stamford* 25
The building of *Rome* 24
The deſtruction of *Jeruſalem* by T. *Veſp.* 16
England firſt received the Chriſtian Faith 15
The Tower of *London* built 11
Duke *William* conquered *England* 6
Weſtminſter Hall was built 6
The Bible divided into Chapters
The Invention of Guns
The Art of Printing
St. *Pauls* Steeple fired by Lightning
New Star in *Caſſiopeia*
A great Snow fell *Feb.* 4.
Tilbury Camp on St. *James*'s day
A Plague in *London*, whereof dyed 30598
Gunpowder Treaſon, *November* 5.
A great Snow, and *Smithfield* paved
A great Plague in *London*, whereof dyed 35418
The Long Parliament began, *November* 3.
King *Charles* the Firſt was Murdered
Two Comets appeared in *December* and *March*
The doleful Plague that followed them
London was burnt, *September* 2, 3, 4, 5
The laſt great Snow
The wonderful Comet in *December*
A Comet in *Auguſt*
The terrible Fire in *Wapping*, *November* 19.
A great Earthquake, *October* the 6th
The laſt great Froſt
The Rebellion in the *Weſt*
The ſeven Biſhops ſent to the Tower, *June*
The Prince of *Orange* Landed, *November* 5.
King *William* went to *Ireland* with an Army, *June*
The *French* Fleet beaten by the *Engliſh* and *Dutch*, &c.
Our Moſt Gracious Queen *Mary* Dyed, *Dec.* 28.
The Horrid Conſpiracy to Aſſaſſinate His Majeſty Ki
William, and to bring in the *French*, was happily diſc
The Peace concluded with *France* ——
War again proclaimed againſt *France*, &c. ——

Of the Eclipſes this Year 1703.

IX times will the Luminaries be Eclipſed this Year, to
the Inhabitants of this Terraqueous Globe; four times
e *Sun*, and twice the *Moon*. Thoſe of the *Sun* are none of
em viſible; but thoſe of the *Moon* will be both total and
ſible if Clouds interpoſe not. They happen as followeth.
The firſt Eclipſe is of the *Sun*, *January* the 6th, a little
ter 11 a Clock in the morning, but not viſible unto us, by
aſon of the *Moons* Latitude and Parallax, being both South;
far exceeding the Semidiameters of the *Sun* and *Moon*; but
ll appear to the moſt Southern parts of the World about the
tartick Circle*, and betwixt that and the *Cape of Good Hope.*
The ſecond is a total and viſible Eclipſe of the *Moon*, upon
17th day of *June*, 13 hours Afternoon, or the 18th day at
n the morning. The Calculation whereof followeth.

ual time of the true ☍ at *London*, *June* 17. at 13h. 14′. 11″.

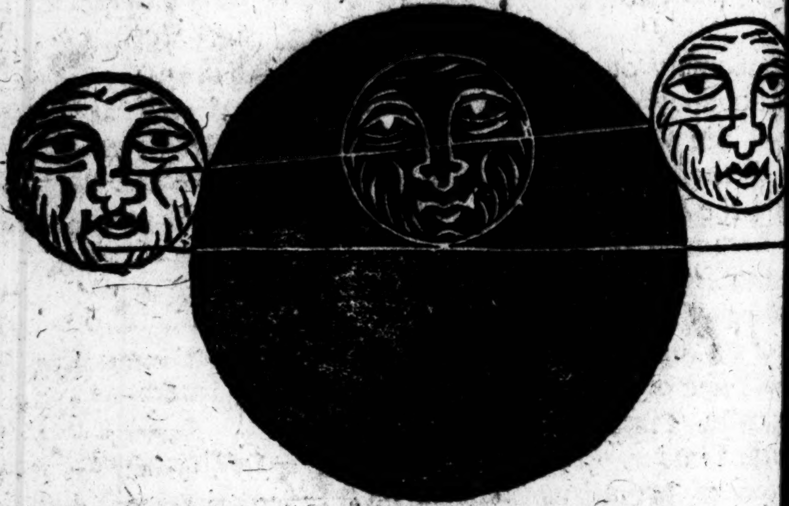
Sig. deg. ′ ″

n Anomaly of the *Sun* ———————— 11—20—2—38
n Anomaly of the *Moon* ———————— 6—16—45—20
e of the *Sun* from the Earth ———————— ♋—6—23—31
e of the *Moon* in her Orbit ———————— ♑—6—23—31
e of the Node ſubtract ———————— 3—9—43—29
s Argument of Latitude ———————— 5—26—40—2
e Latitude North deſcending ———————— 17—25
uction add ———————— 00—45
e of Reduction ſubſtract ———————— 1—16
rect Time of Oppoſition, *June* 17th at 13 Hours—12—55
ation of Time ſubſtract ———————— 2—21
arent Time at *London*, 17th day ——13 Hours—10—34
rence of Meridians ſubſtract ———————— 4—00
arent Time at *Leiceſter*, the 17th day, 13 Hours—6—34
idiameter of the *Moon* ———————— 16—26
idiameter of the Earth's ſhadow ———————— 45—9
of the Semidiameters ———————— 61—35
Moon's Latitude ſubſtract ———————— 17—25
Parts deficient ———————— 44—10
s Eclipſed are ———————— 16—7—33
n of half duration ———————— 59—4

		Hour	′	″
	Time of half duration	1	39	55
	Interval of the ☍ and greateſt Obſcuration, add		2	34
	Motion of half continuance in total darkneſs		22	49
	Time of half continuance in total darkneſs		38	36
Hence the	Beginning of the Eclipſe is at	11 Ho.	29	13
	Beginning of total Darkneſs at	12	30	32
	Middle, or greateſt Obſcuration at	13	09	08
	End of total Darkneſs at	13	47	44
	End of the Eclipſe at	14	49	03
	Continuance of total Darkneſs	1	17	12
	Total Duration of the Eclipſe	3	19	50

Moon's Latitude at beginning,	North deſcen.	22	55
Moon's Latitude at the end,		11	55

A Type of the Moon's *Eclipſe*, June 17. *at* 13 *ho.* 9′. 8
or June 18*th*, *a little after* 1 *of the Clock in the morning.*



The third Eclipſe is of the *Sun* the 3d day of *July*, bet 2 and 3 in the morning, and therefore not viſible to us, bu be viſible to the North-Eaſt parts of the World; *viz.* in North-Eaſt parts of *Tartaria*, in *Cathaia*, about *Tenduc*, and o North parts between *Japan*, *Jedſo*, and the *Artick Circle*.

The fourth is an Eclipſe of the *Sun*, upon the 27th da *November*, a little after Sun-ſet, and therefore not viſibl us, but will be viſible to the North-Eaſt parts of *America*, a *Davis*'s Straits; alſo in *Iceland*, *Greenland*, &c.

SAUNDER, 1703.

The fifth Eclipſe is of the *Moon*, upon the 12th day of *ecember*, in the morning. It is a total Eclipſe, and nearly cen-tal. It will be viſible to us, if Clouds interpoſe not. The alculation follows.

qual time of the true ☍ at *London*, Dec. 11. at 18 h. 39′. 11″.

	Sig. d. ′. ″.
ean Anomaly of the *Sun*	5—23—41—10
ean Anomaly of the *Moon*	11—22—12—24
ace of the *Sun*	♑—00—49—15
ace of the *Moon*	♋—00—49—15
ace of the Node ſubſtract	8—00—20—23
ſts Argument of Latitude	28—52
ue Latitude of the *Moon*, North aſcending	2—31
duction ſubſtract	00—7
ime of Reduction add	00—16
orrect time of the ☍ *December* the 11th at 18 Hours	39—27
quation of Time add	00—33
parent Time at *London*, *December* 11. at—18 Hours	40—00
fference of Meridian ſubſtract	4—00
parent Time at *Leiceſter*, *December* 11. at—18 Hours	36—00
midiameter of the *Moon*	14—19
midiameter of the Earth's ſhadow	36—47
m of the Semidiameters	51—6
e *Moon*'s Latitude ſubſtract	2—31
ſts parts deficient	48—35
gits Eclipſed, 20 dig. 21′. 39″.	20—21—39
tion of half Duration	51—2
me of half Duration	1 Hour—53—16
erval of the ☍, and greateſt Obſcuration ſubſtract	00—29
otion of half continuance in total Darkneſs	22—19
me of half continuance in total Darkneſs	49—32
The beginning of the Eclipſe is at	16 Hours 42—15
The beginning of total *Darkneſs* at	17—45—59
The middle or greateſt Obſcuration at	18—35—31
The end of total Darkneſs at	19—25—3
The full end of the Eclipſe at	20—28—47

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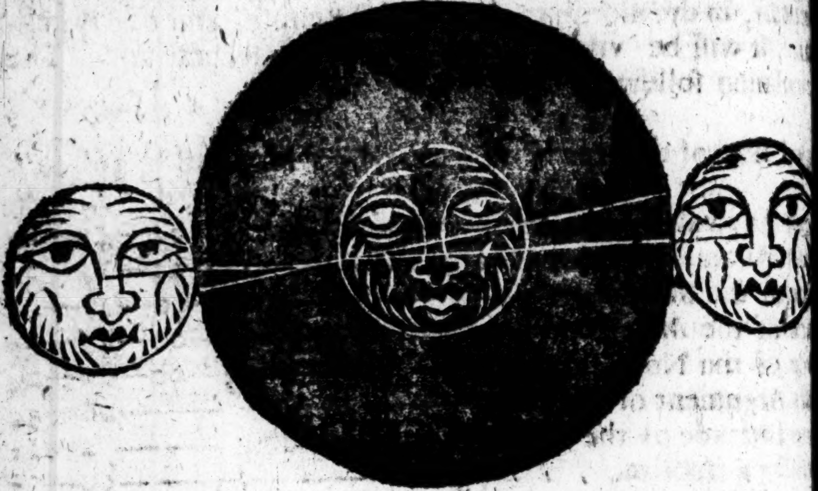
e *Moon*'s Latitude at the beginning, South deſc.	2—21
e *Moon*'s Latitude at the end, North aſcending	7—23

A Type of the Moon'*s Eclipſe,* Dec. 12. *between 6 & 7 in the morni*



The ſixth and laſt Eclipſe is of the *Sun*, *December* the 27 about 2 in the morning; not viſible therefore unto us. It is b a ſmall Eclipſe, and viſible only to the moſt Southern parts the World, about the *Antartick Circle.* All the Eclipſes of t *Sun* are viſible only to very remote parts, and therefore ſigni little unto us: But of Eclipſes of the *Moon* Aſtrologers ſay, ♑ *Decano primo, Suggillationes homines movet & præſtantis alicu viri perniciosam cædem oſtendit ; & in* ♋ *Denario primo, bell omnino concitat.*

Of the Four *Quarters of the Year, and firſt of the Spring.*

THe *Spring* Quarter begins *March* the 10th, 3 min. after 7 the Clock in the morning, in the Meridian of *Lond* making equal day and night to all the Earth. (except under t *Poles*). Now as the *Days* and *Nights* are of equal length, ſo there an equality in the temper of the Air, whereby the Po of the Earth being opened, the vegetable Life of Herbs a Plants is produced. This Quarter is generally hot and moi and if it prove contrary, it bringeth Diſeaſes and dangerous ſtempers. Such perſons as are naturally Melancholy, do en their Healths the beſt this Quarter; the Sanguine the contra Such Diſeaſes as proceed from exceſs and putrefaction of Bl are moſt dangerous. In *March* be not too buſie in purging bleeding, but rather bathe, and uſe ſuch meats and medici

purge and ſweeten the blood. In *April* you may freely bleed
the or purge, if there be occaſion. In *May* it is wholſome
drink Clarified Whey. Now Drink but little Wine ; and
rbear ſuch Meats as are of a hot Quality.

Of Summer.

SUmmer Quarter begins this Year *June* 11. 9 min. after 8
of the Clock in the morning, in the Meridian of *London*,
e *Sun* then entring the Tropical Sign *Cancer*, (or the Earth
pricorn) maketh the longeſt Day and ſhorteſt Night to all on
is ſide the Equator. This Quarter is naturally hot and dry ;
rſons of phlegmatick Conſtitutions are now beſt in Health,
e Cholerick the contrary. Ancient people do now revive, but
ung people languiſh through exceſs of Blood, and are there-
y much expoſed to Fevers. In *June* abſtain from ſuch meats
ingender raw and moiſt humours. In *July* beware of bleeding or purging,
d of eating ſuch Meats as ingender Melancholy. In this and the next Month
frain immoderate Exerciſe and Venery, and drink not much Wine ; for
w it dryes the Stomach and Liver, and doth too much increaſe Choller.

Of Autumn.

A *Utumn* this Year begins *September* 12. 50 min. after 9 at Night, the *Sun*
then entring *Libra* or the Earth *Aries*, doth again make equal Day and
ight. This Quarter is naturally cold and dry, reſembling Melancholy. Youth
now lively : Perſons of moiſt and phlegmatick Conſtitutions are now beſt
Health, the Melancholy the contrary. In *September* eat moderately of all ſuch
eats and Fruits as your Stomach deſires. In this Month or the next you may
eed or purge if there be occaſion ; but in *November* Melancholy increaſeth and
ood decreaſeth. In this Quarter beware of taking Cold.

Of Winter.

W*Inter* Quarter this Year begins *December* 11. 20 min. after 11 of the Clock
in the morning in the Meridian of *London*, but at *Leiceſter* 4 m. ſooner ;
e *Sun* then appearing at the entrance of *Capricorn* maketh our ſhorteſt Day
d longeſt Night. This Quarter naturally is cold and moiſt : Youth and cho-
rick Perſons are now beſt in Health, but aged and phlegmatick Perſons the
ntrary In *December* Melancholy and Phlegm do much increaſe. 'Tis not
w good to bleed or purge. To drink Wine now and then, and to uſe Spices
your Diet is very good. Same obſerve in *January*. In *February* you may
ke Pills to purge the Head Bathe or bleed if there be occaſion.

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find the Riſing, Southing and Setting, of ſeveral fixed Stars here-after mentioned.

N the Tables following you have firſt the ſeven Stars Southing
for every fifth day : in the ſecond Table is ſet the difference
etwixt the Southing of thoſe Stars therein named, and the ſeven
ars, which being added to the time of the ſeven Stars Southing,

giveth theirs. In the ſame Table is alſo ſet their ſemidiurnal Ar thereby to find the riſing and ſetting of the ſaid Stars. Suppo is required to know what time the great Dog-ſtar called Sy will be South the 11th. of *February*? I then find the Seven S South at 5 ho. 10 min. to which I add 3 ho. 2 min. the differe annexed to the great Dog-Star, and it makes 8 ho. 12 min. be the time of its Southing the ſaid 11th. of *February*. If to Southing you add the Semidiurnal Arch 4 ho. 31 min. it g the time of its ſetting at 12 ho. 43 min. but if you ſubſtract Semi-diurnal Arch from the Southing it leaveth the time o Riſing. The like may be done by any other of the ſaid Stars.

For the better diſtinction of the ſeveral ſizes of Stars they divided into ſix ſeveral magnitudes, The biggeſt and brigh Stars are called Stars of the firſt Magnitude, Thoſe one ſize i riour in light, and bigneſs are call'd Stars of the ſecond Magnit &c. Now for the better knowing the Stars hereafter mentio Note, that the great Dog-ſtar, Lions Heart, Virgins Spike, and bright ſtar of *Lyra*, are accounted ſtars of the firſt magnitud are alſo *Aldebaran* and *Arcturys*, but they are Red ſtars, much o colour of *Mars*, all the reſt in the Table are of the ſecond m nitude, except the Northern and Southern *Aſs*, which are ſ Stars being of the fourth magnitude.

A Table ſhewing the Hour and minute of the Seven Stars c ing to South, every 5th day of this year, 1703.

Dayes of the Moneth.

Moneths	1			6			11			16			21			26	
	H.		M.	H:		M.	H.		M.	H.		M.	H.		M.	H.	
January	7	A	57	7	A	36	7	A	14	6	A	53	6	A	32	6	A
February	5	A	49	5		29	5		10	4		51	4		32	4	
March	4	A	0	3		41	3		23	3		4	2		46	2	
April	2	A	7	1		48	1		30	1		11	0		52	0	
May	0	A	14	11	M	54	11	M	34	11	M	4	10	M	53	10	M
June	10	M	8	9		47	9		26	9		6	8		45	8	
July	8	M	5	7		45	7		24	7		4	6		45	6	
August	6	M	3	5		45	5		26	5		8	4		49	4	
September	4	M	10	3		52	3		34	3		17	3		0	2	
October	2	M	22	2		3	1		44	1		25	1		5	0	
November	0	M	27	0		2	11	A	39	11	A	16	10	A	54	10	
December	10	A	11	9	A	49	9		26	9		4	8		41	8	

A Ta

able ſhewing the difference in hours and minutes between e coming to ſouth of ſeveral fixed ſtars, and the ſeven ſtars, s alſo their ſemi-diurnal Arches thereby to find their riſing nd ſetting.

es of the Stars.	Diffe. ſouth.		ſemid. Arches		Names of the Stars.	Diff. ſouth.		ſemid. Arches	
	h.	m.	h.	m.		h.	m.	h.	m.
ebaran B.eye	0	49	7	28	Lions heart, Baſil.	6	23	7	13
n Orions Girdle	1	51	5	54	Virgins Spike	9	40	5	9
Dog. Syrius	3	2	[illegible]	31	Arcturus	10	32	8	0
tor 1ſt.head ♊	3	46	9	47	South ballance	11	5	4	49
Dog.Procyon	3	54	6	32	North ballance	11	31	5	16
lux,2d.head ♊	3	57	9	4	Northern Crown	11	52	8	55
rthern Aſſ.	4	56	8	12	bright ✱ Lyræ	14	57	ſets	not
thern Aſſ.	4	58	7	49	bright ✱ Vulturis	16	6	6	42

ere followeth ſome few Rules, and Tables, for the menſuration of Superficies and Solids.

Or the Menſuration of ſuperficial or flat meaſures, ſuch as Board, Glaſs, Pavement, Hangings, &c. it will be ne- ry to know how to meaſure any plain ſuperficial figure, as Square, Long-ſquare, or Parellelogram, Triangle, Circle, s of the Circle, &c. examples of all which do here follow.

I. How to meaſure a Square.

et there be a ſquare floor, or pavement, the s whereof are each of them 5 feet 6 inches, 'tis required to know how many ſquare, or erficial feet are contained therein. Firſt (a d plain way to avoid Fractions will be to) Re- e the whole ſide into inches, 5 feet, 6 inches, g 66 inches, multiply 66 by 66, and the Pro- t will be 4356, the ſuperficial content in in- s; then divide 4356 by 144 (the ſquare inches one foot) and the quotient will be 30 feet, and inches remaining, which is the number of in- s in one quarter of a foot; ſo that in ſuch a re is contained 30 feet and one quarter. See Margin.

```
  66
  66
 ----
 396
396
 ----
4356

4356
 144
 ------(30
 432
  36
```

II. To

II. *To meaſure the Long-ſquare or Parallelogram.*

Suppoſe there be a Pavement whoſe length is 72 feet, and breadth 12 feet, how many feet is contained therein.

Multiply 72 in length, by 12 the breadth, and the product will be 864, and ſo many ſuperficial feet are contained in that Pavement.

72
12
144
72
864

III. *To Meaſure a Long Superficies, which is broader at one than at the other.*

Let there be a ſuperficies whoſe length is 72 inches, the breadth of the greater end 50 inches, and the breadth of the leſſer end 34 inches, and let it be required to know how many feet are contained therein. Firſt, add the breadths of both the ends together, which maketh 84, take half thereof, which is 42, which being multiplyed by 72 the length, the product will be 3024 the content in inches, which being divided by 144 (the inches in one foot) the Quotient will be 21 feet, and nothing remaining, ſo that there is exactly 21 feet in ſuch a ſuperf

72
42
144
288
3024
144
288
14

IV. *How to Meaſure Triangles.*

All Right lined Triangles are meaſured by this general R Multiply half the length of the Baſe by the whole Perpen lar. Or, the whole length of the Baſe by half of the Perpendic

Suppoſe the Baſe of a Triangle be 44, and the Perpen lar 26, what is the Content.

Multiply 44 (the Baſe) by 13, (half the perpendicular Product will be 572: Or 22 (half the Baſe) being multi by 26, (the whole perpendicular) the Product will be 57 before, which is the Content of ſuch a Triangle.

V. All *Trapezias*, or Figures with four unequal ſides; Multangular, or many ſided irregular Figures, muſt be di into Triangles, and thoſe Triangles meaſured as before is ta and their ſums added together will give the content of ſuch gular Figures. And note, that the leaſt number of Triangles which any plot or irregular figure may be reduced, will b by two than the number of the ſides of ſuch irregular figur

VI. *How to meaſure Circles, and parts of Circles.*

The Diameter of every Circle hath ſuch proportion t circumference of the ſame Circle as 7 hath to 22. Ther iameter being given to find the circumference, you muſt ply the Diameter by 22, and the product being divided the Quotient will be the circumference. Thus, ſuppoſe iameter of a Circle be 14, multiply 14 by 22, the pro- will be 308, which being divided by 7, the Quotient is 44, the circumference of that Circle whoſe Diameter is 14.

Having the Circumference to find the Diameter.

ltiply the circumference given by 7, the product divide 2, and the Quotient will be the Diameter. Let the cir- rence of a circle be 60, multiply 60 by 7 the product e 420, which being divided by 22, the Quotient will be nd $\frac{2}{22}$ or $\frac{1}{11}$ which is the Diameter.

find the Area or Superficial content of a Circle. Multi- lf the circumference by half the Diameter, the product content of the Circle: Thus, Let the circumference be he half whereof is 30, and the Diameter 19 $\frac{2}{22}$ the half eof is 9 $\frac{12}{22}$, by which multiplying 30, the product will be $\frac{4}{11}$ which is the ſuperficial content of ſuch a Circle; or, he Diameter to find the Area of the circle. Firſt, ſquare iameter, multiply the ſquare by 11, and divide the pro- by 14, the Quotient is the ſuperficial content of the circle. the Diameter be as above 19 $\frac{1}{11}$ the ſquare whereof is $\frac{6}{21}$ this multiplied by 11 produceth 4009 $\frac{1}{11}$ which being ed by 14 the Quotient is 286 $\frac{4}{11}$ as above, being the ſuper- content of ſuch a circle.

o meaſure the ſuperficial content of half the circle, the ter of a circle, or of any other ſection of a circle, more or having the ſemidiameter given.

ltiply half of the compaſs thereof by the ſemidiameter of ircle, ſo ſhall you have the content.

Of the Menſuration of Solids.

S Plain or Superficial Meaſure conſiſteth of two dimenſi- ons, namely, length and breadth; ſo Solid meaſure conſiſt f three dimenſions, namely, length, breadth and thickneſs.

meaſure any kind of Timber, either Square, Triangular, Round, or of any other Faſhion, provided it be ſtraight and equal a along.

ſt up the ſuperficial Content at the end thereof, by the s before going, for the finding the Content of the Square ngle, Circle, *&c.* which Superficial Content being mul

ply

plyed by the length of the Piece, will give you the Soli
tent thereof. *Example.* Let there be a piece of Timber
other ſolid matter) whoſe breadth is 18 inches, its dep
Inches, and length 142 inches, to find how many ſolid f
contained therein. Firſt, multiply the breadth 18 by the
13, the product is 234, being the ſuperficial inches at the
of the piece. Secondly, multiply this 234 by 142 the l
of the piece, and the product will be 33228, the ſolid Co
in inches. Thirdly, divide 33228 by 1728,(being the numb
cubical inches in one ſolid foot) and the quotient will be 1
396 inches remaining, which is 19 ſolid feet, and almoſ
quarter of a foot,and ſo much is the ſolid content of ſuch a

A 2d Example of a round piece. Let there be a round pi
Timber whoſe compaſs is 60 inches, and the length 20 fee
240 inches) and let it be required to find the ſolid co
thereof.Firſt, by the help of the circumference 60,find the D
ter(as before is taught) by multiplying 60 by 7,and dividin
product thereof by 22,ſo ſhall you find the Diameter to be
Then by either of the ways before taught, *viz.* by multiply
the circumference by $\frac{1}{2}$ the Diameter ; or by (ſquaring, or)
tiplying the Diameter in it ſelf, and multiplying that ſqua
11,and dividing the product by 14,the ſuperficial content o
end of ſuch a piece will be found to be $286\frac{4}{11}$ inches.Now m
ply this $286\frac{4}{11}$ by the length of the piece 240, and the pro
will be $68727\frac{3}{11}$ the content in inches, which being divide
1728,the quotient will be 39 feet,and $\frac{3}{4}$ of a foot,and $39\frac{3}{11}$
remaining, which is the ſolid content of ſuch a piece of Ti
But had this piece of Timber been meaſured by that egregi
falſe way of taking $\frac{1}{4}$ part of the Girt for the ſide of the ſqu
qual, it would have been found to be but 31 feet and $\frac{1}{4}$ of a
which is above $\frac{1}{5}$ part leſs than the truth,it being 39 feet,& abo

In behalf of that erroneous way many do plead, that in r
Timber there is great loſs in chipping to bring it near a ſq
therefore that way may be allowed ; but this is very unec
in great Timber there being little loſs, in ſmall Timber m
let therefore the quality be conſidered, rather than make
unequal amends by a falſe quantity.

Of the Menſuration of Tapering Timber, either round or ſquared, ſu Fruſtums of Cones and Pyramids.

First find the ſuperficial Area of each end of the piece,
multiply the one Area by the other. Secondly, o

product of the two Area's, extract the Square Root.
dly, add this Root and the two Area's all into one ſum.
ly, multiply this ſum by one third part of the length of the
e, and that product ſhall give you the Content.

et there be a piece of Timber whoſe Circumference at the
ter end is 66 inches, at the leſſer end 44 inches, and the
h 20 feet, and it is required to find how many ſolid feet
contained therein. Firſt, the Area of the Circle at the
ter end (by multiplying half the Circumference 33 by half
Diameter $10\frac{1}{2}$) will be found to be $346\frac{1}{2}$, and the Area of
Circle at the leſſer end will be 154: Theſe multiplyed to-
er do produce 53351. Secondly, out of this product ex-
the Square Root, which is 231, (for 231 being multiplyed
ſelf produceth 53361). Thirdly, add the two Areas, and
Square Root 231 together, and the ſum of them will be
$\frac{1}{2}$. Laſtly, multiply $731\frac{1}{2}$ by 80 inches, (one third
of the length) and the product will be 58520, being the
inches contained therein, which inches being divided by
8, the Quotient will be 33 feet, and 1496 inches remain-
which is 3 quarters of a foot, and almoſt half a quarter.

find the Content of Tapering Timber, other wayes than is taught above.

heſe pieces being parts of Cones or Pyramids, their Con-
s may be found by ſeeking the Content of the whole Cone
yramid, (of which they are part) and the Content of that
which is wanting, for that part being ſubſtracted from the
le, the remainder muſt be the Content of the part required.
ow the way to find the content of a Cone or Pyramid is,
ultiply the ſuperficial Content of the Baſe by one third
of the length; and to find the length of the top part of a
e or Pyramid which is wanting; ſay thus, As the difference
he ſides, or Diameters of the two ends, to the length be-
en them; ſo is the ſide, or Diameter of the greater end,
e whole length. *Example*, of the piece before mentioned,
ſe greater end is 66 inches about, and the leſſer end 44;
e the Diameter of the greater end will be 21, and the Di-
ter of the leſſer end will be 14, and their difference is 7,
efore ſay, If 7 give 20 feet what will 21 give? Anſwer, 60
; being the whole length of the Cone: Now the ſuperficial

content

content of the Baſe of this Cone, (being 349½ inches) plyed by 240 inches, (one third part of the length of the Cone) produceth 83160 inches, the content of the whole And the ſuperficial content of the leſſer end, (which Baſe, of the top (or wanting) part of the Cone) which is being multiplyed by 160, (one third part of the length top (or wanting) part) produceth 24640 inches, the cont the wanting part, which being ſubſtracted from 83160, content of the whole Cone) the remainder is 58520 inches content of the part required, being the ſame as before.

Here followeth Tables ready calculated, for the Meaſuri Squared or Round Timber, which is ſuppoſed to be equ along: Their uſe is thus, ſeek the ſide of the Squared, or paſs of the Round Timber, in the firſt, third or fifth col of the Tables, and againſt it, in the next column you have length of a ſolid foot. Thus, the ſide of a ſquared piece of ber being 20 inches, the length of a ſolid foot will be 4 inc and 3 tenth parts of an inch: And the compaſs of a ro piece, being 80 inches the length of a ſolid foot will be foun be 3 inches, and 39 hundredth parts of an Inch.

A Table, ſhewing how much in length will make a Solid of any Square Stone or Timber: The ſide of the Square ing given in inches, from one inch to 36 inches ſquare.

Side of the Square.	Length of a ſolid foot.			Side of the Square.	Length of a ſolid foot.		Side of the Square.	Length ſolid f	
Inch.	Fe.	inc.	10ths	Inch.	Inc.	10th.	Inch.	Inc.	10
1	144	0	0	13	10	2	25	2	8
2	36	0	0	14	8	8	26	2	6
3	16	0	0	15	7	6	27	2	3
4	9	0	0	16	6	7	28	2	2
5	5	9	2	17	5	9	29	2	1
6	4	0	0	18	5	3	30	1	9
7	2	11	2	19	4	8	31	1	8
8	2	3	0	20	4	3	32	1	7
9	1	9	3	21	3	9	33	1	6
10	1	5	3	22	3	5	34	1	5
11	1	2	3	23	3	3	35	1	4
12	1	0	0	24	3	0	36	1	3

A Tab

able ſhewing how many inches in length will make a foot lid, of any round piece of Timber or Stone, the Girt being own, from 12 inches compaſs to 100.

len. of a foot		Com.	len. of a foot		Com.	len. of a foot	
Inch.	100 p.	Inch.	Inch.	100 p.	Inch.	Inch.	100 p.
179	46	41	12	92	71	4	31
150	80	42	12	31	72	4	20
128	49	43	11	74	73	4	08
110	79	44	11	31	74	3	97
94	31	45	10	72	75	3	86
84	82	46	10	26	76	3	76
75	14	47	9	83	77	3	66
67	02	48	9	42	78	3	57
60	15	49	9	04	79	3	48
54	29	50	8	69	80	3	39
49	23	51	8	35	81	3	31
44	86	52	8	03	82	3	23
40	90	53	7	73	83	3	15
37	69	54	7	42	84	3	08
34	74	55	7	18	85	3	01
32	12	56	6	92	86	2	94
29	79	57	6	68	87	2	87
27	70	58	6	45	88	2	80
25	82	59	6	24	89	2	74
24	13	60	6	03	90	2	68
22	60	61	5	84	91	2	62
21	21	62	5	65	92	2	57
19	92	63	5	47	93	2	51
18	78	64	5	30	94	2	46
17	74	65	5	14	95	2	41
16	76	66	4	98	96	2	36
15	86	67	4	84	97	2	31
15	04	68	4	70	98	2	26
14	28	69	4	56	99	2	22
13	57	70	4	43	100	2	17

Ad.

Advertiſements.

WRiting and Arithmetick *Taught by Mr.* Joſeph Pepper *at* Stam
Lincolnſhire : *With whom Youth may be commendably Boarded*
ſpeedier Improvement.

THere is lately brought from Chili *a Province in* America, *a moſt* *excell*
tural Balſam, *found by ſeveral eminent Perſons to excel that of* Pe
Tolu, *in curing of divers Diſeaſes, as it hath given demonſtration : 'Tis a*
that no man under the Sun can compoſe, being a moſt Odoriferous and
Balſam *It cures moſt Diſeaſes in humane bodies, particularly helps*
coming from Cold ; chiefly pains in the Stomach, want of Appetite : Corr
and ſtrengthning the whole Body : It is a wonderful Remedy for all inwar
bruiſes, or ulcers of the Lungs, Reins, Bladder, or Womb, &c *It helps*
of Breath, Cough, Conſumption or Wheeſings : It is good in moſt Diſeaſe
Head, as Falling ſickneſs, Apoplexy, Palſey, Trembling, Convulſion, He
and giddineſs of the Head ; and ſtrengthens the Brain and Nerves :
Worms, and helps the Stone, and is a good provoker of Urine, and brings a
Sand and Gravel, which oftentimes obſtructs the Urine : It helps all flux
Belly, &c. *It is only to be had of* Eben. Tracy *at the* 3 Bibles *on* London-b
at 18 *d. the Ounce. The Bottles are ſealed with the* Balſam-tree.

IF *any Gentleman or other Perſon would have his Land ſurveyed, or any B*
or Edifice meaſured, either for Bricklayers, Carpenters, Maſons, Plaiſterer
The Author of this Almanack will perform the ſame, either for Maſter or
men : And if any Perſon would have about his Houſe or Garden, any Sun-
either Direct, Declining, Inclining, Reclining, Concave, Convex or Reflectiv
will make or prepare for them ſuch as they ſhall deſire.

From Leeſthorp *near* Melton-Mowbry, *in the*
County of Leiceſter, Sept. 23. 1702.